

19990304.qrp v01_n385.qrl.990304

Date: Thu, 4 Mar 1999 19:03:15 EST

From: qrp-1@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: QRP-L digest 1385

QRP-L Digest 1385

Topics covered in this issue include:

- 1) [34726] Re: Mobile home "INVISIBLE" antenna?
by "David Hurley, n2zhy" <n2zhy@amsat.org>
- 2) [34727] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 3) [34728] First CW contact
by Stephen Hawkins <hawk@vornet.com>
- 4) [34729] My NC-20 Success Story (Finally!) & a Lesson
by "Robert P. Okas" <vintage@best.com>
- 5) [34730] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 6) [34731] Re: HF Radio in the Third Millennium
by Russ Hines <radioruss@fuse.net>
- 7) [34732] Re: Mobile home 'INVISIBLE' antenna?
by Joe Gervais <vole@primenet.com>
- 8) [34733] New Product and News from Morse Express
by "Marshall Emm" <mgemm@mtechnologies.com>
- 9) [34734] Re: [34708] Mobile home "INVISIBLE" antenna?
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 10) [34735] Trade/FS
by K4NK@aol.com
- 11) [34736] TS-50 responses
by K4NK@aol.com
- 12) [34737] FOX: Individual Scores?
by "Jim Francoeur KC1FB" <jrfrancoeur@snet.net>
- 13) [34738] N6BIS and her awning
by Stephen Hawkins <hawk@vornet.com>
- 14) [34739] Re: Paddles
by "Arthur G. Silvers" <ags@ieee.org>
- 15) [34740] My first
by "JUNIUS B FOX" <w5hir@gte.net>
- 16) [34741] More!!!
by "JUNIUS B FOX" <w5hir@gte.net>
- 17) [34742] ARRL Radio Designer BIP models
by Bob Liesenfeld <wb0poq@visi.com>
- 18) [34743] NC20 Parts
by "daveb1" <daveb1@gateway.net>
- 19) [34744] Canadian fox II prelim log

- by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 20) [34745] FOX!: FOX: Individual Scores?
by "Paul R. Valko" <prvalko@oakland.edu>
- 21) [34746] ICom IC-735 sold...Is the K2 available?
by wb2vuo@juno.com
- 22) [34747] Hip, Hip, Hooray!
by Jeff Johns <jeffj@scott.net>
- 23) [34748] FS: Rotary switches for fireball frequency switching
by VE3JC - John C <jbcumming@wwdc.com>
- 24) [34749] Re: My NC-20 Success Story (Finally!) & a Lesson
by Gary L Surrency <gsurrency@juno.com>
- 25) [34750] NC20: shunt-feedback amp gain
by Gary L Surrency <gsurrency@juno.com>
- 26) [34751] RE: first QSO
by Rod Cerkoney <rcw@frii.com>
- 27) [34752] SSB
by "Todd Carpenter" <carpentt@citrine.indstate.edu>
- 28) [34753] Re: CW Contacts
by N7YA@aol.com
- 29) [34754] CW Skill
by Pete Burbank <plburbank@kih.net>
- 30) [34755] ***The NorCal 20 Commercial Deal***
by David Fifield <fifield@pacbell.net>
- 31) [34756] WTB: 222 MHZ Gear
by utahfolk@konnections.com
- 32) [34757] Re: CW Skill
by Bob Patten <n4bp@bc.seflin.org>
- 33) [34758] Request for HF help and elmer for ham in Houston
by Jess Gypin <jessqrp@concentric.net>
- 34) [34759] Ham need elmer and rig to start that lives in Houston
by Jess Gypin <jessqrp@concentric.net>
- 35) [34760] New Blue Racer
by Jess Gypin <jessqrp@concentric.net>
- 36) [34761] Re: FOX!: FOX: Individual Scores?
by Bruce Rattray <rattray@gpfn.sk.ca>
- 37) [34762] Re: Argh! I fried my NW40!
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 38) [34763] FB40s, Amps, AOKs shipping update
by "George Heron" <gheron@nac.net>
- 39) [34764] TT Scout/555 Reviews?
by afpgreg@state.me.us (Paul V. Gregory)
- 40) [34765] N/T+ Fox
by applitech@mcg.net (Claton Cadmus)
- 41) [34766] N0TU post & QSL card maker help needed
by "Jim Hale" <kj5tf@madisoncounty.net>
- 42) [34767] NorCal's March Meeting Announcement
by Jerry Parker <jparker@fix.net>
- 43) [34768] Re: TT Scout/555 Reviews?

- by "dor" <elbc@pivot.net>
- 44) [34769] qslmaker 2.0 TIP: black screen for .bmp file?
by Gary Slagel <gdslagel@yahoo.com>
- 45) [34770] Re: qslmaker 2.0 TIP: black screen for .bmp file?
by "Chris Cieslak" <ccieslak@law.uiuc.edu>
- 46) [34771] Electronic book
by "Francis Callahan" <colcal@srv.net>
- 47) [34772] Re: My first
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 48) [34773] Re: tube ID
by Ray Colbert <af852@rgfn.epcc.edu>
- 49) [34774] Re: Mobile home "INVISIBLE" antenna?
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 50) [34775] QSLMaker 2.0; Getting Digital Pictures
by "Ed Manuel, N5EM" <n5em@flash.net>
- 51) [34776] Scottsdale Hamfest
by Chris Trask <ctrask@primenet.com>
- 52) [34777] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 53) [34778] 72ohm Feedline
by Jeff Johns <jeffj@scott.net>
- 54) [34779] Re: 72ohm Feedline
by "Mike Yetsko" <myetsko@insydesw.com>
- 55) [34780] Re: 72ohm Feedline
by "Chris Cieslak" <ccieslak@law.uiuc.edu>
- 56) [34781] RE: 72ohm Feedline
by "Mont Pierce" <montp@synacom.com>
- 57) [34782] Need help finding source of 4.5 MHz filter for SW Receiver
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 58) [34783] Re: 72ohm Feedline
by Ron Stark <ku7y@dri.edu>
- 59) [34784] Re: 72ohm Feedline
by kkanalz@optelinc.com
- 60) [34785] Re: Foxhunt propagation
by "michael" <michaelbstjames@email.msn.com>
- 61) [34786] Re: 72 ohm Feedline
by Goran Hosinsky <hosinsky@royac.iac.es>
- 62) [34787] AR QRP 40mnet results
by Robsparks@aol.com
- 63) [34788] Q - what to do with 'excess' twinlead?
by W5TB <w5tb@SoftHome.net>
- 64) [34789] QSL MAKER - 4 cards per sheet???
by W5TB <w5tb@SoftHome.net>
- 65) [34790] Need Dave Yarnes email address
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 66) [34791] FS: HW-8 In Need of a Good Home
by Theodore Wong <wong_th@eng.printronix.com>
- 67) [34792] NC20 low VFO & TX output

by Gary L Surrency <gsurrency@juno.com>
68) [34793] Re: CW Contacts
by dave.g0dja@psilink.co.uk (Dave Ackrill)
69) [34794] Fw: Re: Fw: Re: Mobile home "INVISIBLE" antenna?
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
70) [34795] Mobile home "INVISIBLE" antenna?
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
71) [34796] You want to talk about MILLIWATTING!!!!
by Daj73s@aol.com
72) [34797] Re: Mobile home "INVISIBLE" antenna?
by John Evans - N0HJ <jaevans@codenet.net>
73) [34798] Re: Mobile home "INVISIBLE" antenna?
by af852@rgfn.epcc.edu (William R Colbert)
74) [34799] Springs-paddle
by "Ed Tanton" <n4xy@mindspring.com>
75) [34800] Re: Mobile home "INVISIBLE" antenna? (hams ?)
by "Radman" <radman@best.com>
76) [34801] Re: Electronic book
by Russ Hines <radioruss@fuse.net>
77) [34802] " Still Searchin`....."
by "Andy" <andy@gm0nwi.freemove.co.uk>
78) [34803] Anatomy of a thread...
by Chris Cartwright <ccart@dns.vidtel.com>
79) [34804] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
80) [34805] Re: something to read rcvr freq
by Jim <w7ls@blarg.net>
81) [34806] Re: [Fwd: HF Radio in the Third Millennium -- Don't read if you get
upset easily!]
by PHILLIPS RICHARD <phillips@msoe.edu>
82) [34807] Re: PCB Design Software
by Todd Nichols <nichols@rtp.ericsson.se>
83) [34808] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
84) [34809] NEW CALL SIGN
by hamjoel@juno.com
85) [34810] Re: TT Scout/555 Reviews?
by "Bruce Prior" <n7rr@hotmail.com>
86) [34811] Re: N0TU post & QSL card maker help needed
by "John J. McDonough" <jjmcd@tm.net>
87) [34812] Re: QSL MAKER - 4 cards per sheet???
by "John J. McDonough" <jjmcd@tm.net>

Date: Wed, 03 Mar 1999 19:06:10 -0500
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [34726] Re: Mobile home "INVISIBLE" antenna?
Message-ID: <36DDCE72.5E233A0B@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chris, n3xrv:

You better have your friend check his "double watermelon dipole". The consensus in another thread was that watermelons are non yk2 compliant. Maybe a "lemon array" would be better!

72
David,n2zhy

>he also makes a 'double watermellon dipole' for 2M and works the repeaters.

Date: Wed, 3 Mar 1999 18:19:20 -0600 (CST)
From: Bruce Ratray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [34727] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.990303180925.20385A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...KU7Y.....hunt #34....

The 40 mtr Fox Hunt Team Scores

..the Houston Hounds- 25.650 - hounds->K5ZTY,W5SB,KQ5U,KK5LD"CLEAN SWEEP!"

...the Texas Tarantulas-21.500-hounds->AB5WX,K5LN,N5TW,W5HNS"CLEAN SWEEP!"

...the Underdogs - 20.907 - hounds -> N4ROA,KI0II

...the Vibro-Fox Finders - 20.800 - hounds -> WE6W,K2VCO

...the Fox Nabbers - 18.395 - hounds -> K0EVZ,W0CH

...the Brass Pounders - 17.250 - hounds -> AB8DF,N1FN,AK7Y

...the Northern Lights - 14.730 - hounds -> VE7CQK,VE6EWM,VE5RC,VE2KN

...the Kentucky Porch Houndz - 9.500 - no luck.

...the Swords - 8.658 - hound -> N8VAR

...the Team Apathy - 7.660 - hound -> AB7TT

...the Jersey Diddles - 3.157 - hungry hounds.

Date: Wed, 03 Mar 1999 16:19:22 -0800
From: Stephen Hawkins <hawk@vornet.com>
To: qrp-1@Lehigh.EDU
Subject: [34728] First CW contact
Message-ID: <3.0.5.32.19990303161922.007cace0@vornet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-L,

I took my initial Ham test over at the FCC in San Francisco. I walked out having passed up to my General. But since I had no license when I walked in, I had to wait 11 WEEKS AND TWO DAYS for my call and ticket to come in the mail. In the meantime I bought and built a Heath Kit HW-8. I purchased a trap vertical and arranged to borrow a tall ladder to climb from the attic to the roof. (I lived in a 100 year old carriage house at the time. One of the first buildings in that part of the Oakland Hills). It was a sunny, very warm Saturday and I was walking back from Baskin Robins with an Ice Cream cone when I looked in my mailbox and almost had a heart attack. There was my license and the HUGE ladder was not coming for a week. I jumped in my car and raced to HRO where I bought the stuff to make a 15m dipole and some coax. Racing back I moved the dinning room table into the hallway under the trapdoor to the attic. Placing a chair on the table and a box on the chair, I grabbed my materials and climbed my flimsy, man made hill into the attic. They knew how to build houses back then. The attic was 36 x 36 x 12. Nobody had been up there for about 90 years. It was approximately 200 degrees up there and sweat instantly squirted straight out of every pore in my body. After stringing my dipole up in the attic I climbed down covered with a thick layer of sweat, dirt, dust, and spider webs. It all stuck, glued to me with the sweat, and I am sure I looked like something from a Science Fiction movie. I trailed the coax down out of the hole and into the radio room, leaving the table, chair, and box where they were. (I was not married at the time so they stayed there for a couple of days.) Connecting the coax and placing the earphones over my sweat, dirt, dust, spider web encrusted head I turned the radio on, and ecstasy,... I heard CW. With a shaking, nervous hand and sweat still squirting out of every pore, I made my first contact with WB7WRI, Joan in Spokane Washington, she gave me a 559. I told her she was my first contact. She told me that she hoped I would enjoy Ham radio as much as she did. I just looked her up in the on line call books, she has not changed her call. I have so many tales to tell her of the joy this addiction has brought me over the years.

Steve

Steve Hawkins WV6U
hawk@voirnet.com
73 49 111 0100 1001

Date: Wed, 3 Mar 1999 16:30:46 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: qrp-1@lehigh.edu
Subject: [34729] My NC-20 Success Story (Finally!) & a Lesson
Message-ID: <Pine.BSF.4.05.9903022218060.25497-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

I thought I'd share my experiences in bringing up my NC-20. Last night, I finally excised that annoying gremlin that's been keeping my rig off the air.

The NC-20 receiver section went together all too easily, and with the aid of a signal generator, I was able to get the three caps tweaked up to the point that my MDS was at -135 dBm, just as the specs claim. The receiver is very quiet.

The transmitter went together easily as well, with about 5 watts out with a 12.5V supply. The problem came about when I monitored the signal on my 2 station receivers. There was a distinctive "whoop" everytime I hit the key. The problem was quickly traced to the VFO. I observed the key-down supply voltage dropped 0.3V at the temporarily shorted out reverse polarity protection diode. I was using a 13.5V supply rated for 800 mA, so I swapped in my freshly charged 115 A/H marine battery.

The whoop, as well as the voltage drop stayed the same. It turns out that there was about 0.4 Ohms of resistance in my supply wiring. Not too terribly significant; the only effect I expected to notice was a droop in output power, not VFO chirp.

The problem was traced to U1's output. The output voltage dropped 10 mV during key-down. Folks, the VFO has a transfer characteristic of about 10 KHz/V at mid-scale. The 10 mV change translates to 100 Hz frequency shift in VFO output. Because of the electrolytic caps filtering the 12V supply line, the 0.3V drop doesn't happen instantaneously, it gradually sags. This combined effect caused the unmistakable whooping CW note. Removing R10, the resistor tied between the op-amp and the VFO varactor diode, eliminated the whoop and the VFO was stable under all

conditions. All of these symptoms pointed to the +8V regulator.

I purchased a four 78L08's at a local surplus house, took them home and measured their performance over an input range of 10-14 V. The load was a 330 Ohm resistor, approximately the load seen by the regulator in the NC-20. Each held it's output to less than 500 uV deviation, the limit of my measurement capability. The original 78L08 was replaced with the unit that measured the closet to spot-on 8.00V.

The results were immediate. All of the previous whooping was gone. Supply voltage variations didn't affect regulator output voltage. Life is good!

Now the lesson. According to the National Semiconductor Linear data book, the performance of the derelict 78L08 is perfectly within spec! The data book lists a line regulation of 100 mV max over an input range of 10-25V. You'd think you're in the next county if GPS used tolerances like that!

This is my second run-in with design issues associated with 3 terminal regulators. The first was with an excessively noisy 78L08 in the NorCal Cascade transceiver. Again, the regulator was within spec, but it degraded the rig's performance to the extent that design alternatives were sought. Again, hand-selecting a unit proved to be the best solution.

So, although 78Lxx regulators can be our friends, they can also cause grief. I'll immediately suspect the regulator the next time I run into a similar problem.

73,
Bob - W3CD

Date: Wed, 3 Mar 1999 18:47:38 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [34730] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.990303184142.24755A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...VE7CQK.....hunt #35....

The 40 mtr Fox Hunt Team Scores

...the Houston Hounds- 26.650 - hounds->K5ZTY,W5SB,KQ5U,KK5LD"CLEAN SWEEP!"
...the Texas Tarantulas-22.500-hounds->AB5WX,K5LN,N5TW,W5HNS"CLEAN SWEEP!"
...the Underdogs - 21.907 - hounds -> N4ROA,AB7CE,KI0II"CLEAN SWEEP!"
...the Vibro-Fox Finders - 21.600 - hounds -> WE6W,KU7Y,K2VCO,WS8D
...the Fox Nabbers - 19.061 - hounds -> K0EVZ,W0CH
...the Brass Pounders - 17.750 - hounds -> N1FN,AK7Y
...the Northern Lights - 15.230 - hounds -> VE6EWM,VE5RC,VE2KN
...the Kentucky Porch Houndz - 9.500 - no luck.
...the Swords - 8.658 - empty jaws.
...the Team Apathy - 7.993 - hound -> K7TQ
...the Jersey Diddles - 3.157 - hungry hounds.

Date: Wed, 03 Mar 1999 19:56:28 -0500
From: Russ Hines <radioruss@fuse.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34731] Re: HF Radio in the Third Millennium
Message-ID: <36DDDA3C.B6DD491B@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for the post, Bob. Very interesting.

Here's my two-cents: if we investigate and use our own digital modulation method for HF, then much of this won't matter. KK7B's "phasing" receivers already implement an I/Q demodulation scheme, so building upon that seems logical.

73,
WB8ZCC

Bob Follett wrote:

>
> Gangue:
>

> This story from AMSAT is long and depressing, but you probably should know
> what is the latest scoop on threats to our HF bands....
>
> > The Death of HF Radio Operation?

Date: Wed, 3 Mar 1999 17:58:34 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [34732] Re: Mobile home 'INVISIBLE' antenna?
Message-ID: <199903040058.RAA29588@usr09.primenet.com>

Chris (N3XRV), Brand Spankin' New Extra, wrote:

>
> I'm pretty sure this was done by a 3-land local (to me anyway) KZ3F, he
> also makes a 'double watermelon dipole' for 2M and works the repeaters.
> Pretty sure he's loaded up even wierder stuff too.

(Tries to shake images of terrified livestock
from head...)

*8-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Wed, 3 Mar 1999 17:58:00 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@mtechnologies.com, qrp-l@lehigh.edu,
Morse.Express.Clients@edison.chisp.net, Morse.Express.Clients@edison.chisp.net
Subject: [34733] New Product and News from Morse Express
Message-ID: <199903040056.RAA24932@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

New Product Announcement, and News from Morse Express

1. New Keyboard Interface

2. Nye Keys Available Again
3. Product Development Survey
4. New Internet "reflector"

1. We have a new product to announce-- Morse Express is now able to offer the Ron Alspaugh (W6KNS) CW Keyboard Interface. This is an assembled and tested board which will turn any AT style PC keyboard into a Morse keyboard (PC not required, and you can get a keyboard from Tech America and other places for less than \$10). The Alspaugh Interface features speeds to 79wpm, Farnsworth spacing, four message memories, side-tone oscillator, and full Morse prosign support. Just plug your keyboard and your rig's key line into it, and supply 9-12VDC, and you're ready to go. For a picture and more info, visit our web site at <http://www.MorseX.com/alspaugh>. The Interface board is \$55.

2. The Wm Nye Company's famous Speed-X keys are available again-- a large shipment is somewhere between Idaho and here as I write. Models 312-001 and 322-001 should be back in stock by the end of this week. Pix and info at <http://www.MorseX.com/nye>

3. We are looking at the possibility of introducing two new products-- a polished cherry base for Speed-X and other keys, and a combination keyer/paddle unit based on the Nye SSK paddle and Jackson Harbor PK-2 memory keyer. Please visit our survey page at <http://www.MorseX.com/vote.htm> and give us some feedback!

4. New Internet Reflector. Yes, another list [g]. This one, "brasspounders," is a lot more general in scope than most of the available lists. The theme is Morse sending and receiving equipment. It's not specifically focused on collectors, CW operators, bug users, or for that matter even ham radio ops. And it's completely public. You can read the traffic on the web page, so it needn't clutter up your mailbox. You can join on line with a visit to <http://www.e-groups.com/list/brasspounders/info.html> or if you don't have access to the web, drop me a note and I'll have the system issue an e-mail invitation.

Use our secure ordering facilities on the web site, or call (800)2388205 toll free to order by phone, or (303) 7523382 for more information.

Morse Express continues to grow, and with your support we will continue to be your one-stop-shop for anything to do with Morse and CW operation. Watch for BIG news in about a month.

Date: Wed, 3 Mar 1999 17:03:51 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: we6w@qsl.net
Cc: qrp-1@lehigh.edu, n6bis@amsat.org
Subject: [34734] Re: [34708] Mobile home "INVISIBLE" antenna?
Message-ID: <199903040103.RAA08603@netcom3.netcom.com>

I seem to recall N6BIS doing pretty well by loading up the awning of her mobile home.

73, doug

Date: Wed, 03 Mar 1999 21:27:57 +0000
From: Ed Loranger <we6w@qsl.net>

Ok great friends, Here's the plan.

Center-Fed half-wave of 32 AWG wire for 40 meters from my balanced output of my tuner. Approximately 4 inches from the outside eaves of the metal trailer roof.

If discovered, it is a strain gauge measurment system to signal that the leaves and debris on the roof needs to be cleaned up.

Yeah, that's it. Measured by this RF signal bridge at low power.

Uh, huh.

--

-Ed AR QRP Millennium QSO's=495/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Wed, 3 Mar 1999 20:28:44 EST
From: K4NK@aol.com
To: qrp-1@Lehigh.EDU
Subject: [34735] Trade/FS
Message-ID: <f4272138.36dde1cc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a like new Icom IC-4at 440 hand held with the BC35 base charger ,(2)

BP-8 batterys a speaker mike and a DC-1 module etc.,etc,etc. I would like to trade for a Ten Tec 6 meter transvertor. Any takers?

Also for sale Icom FL-54 filter\$40 shipped.

And a 40-9er built but never boxed, very nice with docs...\$25 will throw in a few altoid tins.

73 Les K4NK

Date: Wed, 3 Mar 1999 20:21:11 EST
From: K4NK@aol.com
To: qrp-1@Lehigh.EDU
Subject: [34736] TS-50 responses
Message-ID: <fb24c0c4.36dde007@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang;

Many thanks to all of you (over 30) who responded to my request for info on the TS-50. Most agree it is a great little radio on SSB and fair for CW. Filtering being the biggest problem. Thanks again.

73 Les K4NK

Date: Wed, 3 Mar 1999 20:53:24 -0500
From: "Jim Francoeur KC1FB" <jrfrancoeur@snet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34737] FOX: Individual Scores?
Message-ID: <00be01be65e1\$ce76ed20\$3c143ccc@foxfire>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I see a lot of postings for the Teams, but I haven't seen many for the individual Foxes or Hunters. Are they on a web page and I missed the posting?

Just wondering where I stand against other New England and especially CT hunters, since I've gotten quite a few of the western fox pelts lately (the total whipeout of Tuesday the exception...didn't hear Fox or Hunters, terrible band conditions).

Jim Francoeur KC1FB qrp-1 #29
Norwalk, CT

From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, March 03, 1999 7:53 PM
Subject: FOX: Team scores (fwd)

>
>...VE7CQK.....hunt #35....
>
> *****
> The 40 mtr Fox Hunt Team Scores
> *****
>

Date: Wed, 03 Mar 1999 17:54:15 -0800
From: Stephen Hawkins <hawk@vornet.com>
To: qrp-1@Lehigh.EDU
Subject: [34738] N6BIS and her awning
Message-ID: <3.0.5.32.19990303175415.007ca910@vornet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Doug wrote,

>From: Doug Faunt N6TQS

>I seem to recall N6BIS doing pretty well by loading up the awning of
>her mobile home.

I haven't ran into Patty for a while but if memory serves me correctly she
worked DXCC on her trailer awning.

Steve

Steve Hawkins WV6U
hawk@vornet.com
73 49 111 0100 1001

Date: Wed, 03 Mar 1999 16:11:40 -0800
From: "Arthur G. Silvers" <ags@ieee.org>
To: Paul Christensen <paulc@mediaone.net>
Cc: qrp-l <qrp-l@Lehigh.EDU>
Subject: [34739] Re: Paddles
Message-ID: <36DDCFBC.AA30B550@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks Paul,

I have an SST for 20 mtrs and I am also using the switched varactor diodes for increased range. Have all I need for the parallel xtal mod but have putted that one off for the time being.

I hope you don't mind but I am posting your response as it may be of interest to others.

72/73 es CUL Arth W6AGS

"Long Live Continuous Wave (LLCW)"

Paul Christensen wrote:

>
> Thanks for the compliments Art. I had a plating company in Tampa anodize
> the aluminum in two colors: cobalt blue and black. The anodizing looks
> better than any paint job I've seen, but it's an expensive process.
>
> My SST has several mods:
>
> 1) I added the TiCK keyer chip but used a novel method of dropping +12 VDC
> to the TiCK's required input voltage by using two LED's in series to create
> a constant voltage drop. As a side benefit, the LED's light in sequence
> with keying (i.e., as current is drawn from the TiCK).
>
> 2) Added ABX I.F. filtering using the Sierra method.
>
> 3) Extended VX0 range on 40-meters by paralleling two VX0 crystals. My
> range is now 7010 kHz to 7060 kHz using two switched, varactor diodes.
>
> A description of my mods are available on the G3YCC QRP web page.
>
> -Paul, W9AC
>
> ----- Original Message -----
> From: Arthur G. Silvers <ags@ieee.org>

> To: <paulc@mediaone.net>
> Cc: qrp-1 <qrp-1@Lehigh.EDU>
> Sent: Wednesday, March 03, 1999 11:27 AM
> Subject: RE: Paddles
>
> >Paul,
> >
> >Looks as though you have done some interesting mods to your SST. Care to
> >give us a few details? Nice paint job too.
> >
> >Tnx es 72/73 Arth W6AGS
> >

Date: Wed, 3 Mar 1999 20:06:05 -0600
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-1@lehigh.edu>
Subject: [34740] My first
Message-ID: <003f01be65e3\$a0dd6cc0\$03000004@w5hir.gte.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, I finally bit the bullet, and made a personal page. Tain't much,
but it's a start. I welcome you to give it a look see, and perhaps later
when I get some more smarts, I can improve it. All suggestions are welcome
e.g. as to how to incorporate Pix etc.

Foxy w5hir@gte.net
Five out of four people have trouble with fractions

Date: Wed, 3 Mar 1999 20:08:49 -0600
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-1@lehigh.edu>
Subject: [34741] More!!!
Message-ID: <004101be65e4\$2f568220\$03000004@w5hir.gte.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I think it would be nice if I were to give everyone the URL HI!!
try <http://www.qsl.net/w5hir>

Foxy w5hir@gte.net
Five out of four people have trouble with fractions

Date: Wed, 03 Mar 1999 21:17:59 -0600
From: Bob Liesenfeld <wb0poq@visi.com>
To: qrp-1@lehigh.edu
Subject: [34742] ARRL Radio Designer BIP models
Message-ID: <36DDFB67.3D7D466F@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I think I am making progress creating BIP models for BJTs. Anyone out there
want to discuss same?

--
Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Wed, 3 Mar 1999 20:44:18 -0700
From: "daveb1" <daveb1@gateway.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34743] NC20 Parts
Message-ID: <199903040344.WAA08801@gateway.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang. Am not sure if my messages are getting
through to Doug Hendricks and I know time is of the
essence concerning NC20 parts. Is this address correct?

ki6ds@dpol.k12.ca.us

Thanks,

Dave KK7RE daveb1@gateway.net
Glendale, Az

Date: Wed, 3 Mar 1999 22:43:45 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:paule@sfu.ca" <paule@sfu.ca>
Cc: QRP-L Discussion Group <QRP-L@Lehigh.edu>, "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [34744] Canadian fox II prelim log
Message-ID: <199903032247_MC2-6CA1-D1B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Paul and Gang:

Thanks again for bagging my mighty SW-40 at 970mw to the windom up 33'.
You have some GREAT ears :-).

But please accept my apology for the inadvertent dupe. Certainly didn't mean to waste the BW. After the first contact at 0123Z your "QSL" was totally covered up. So I figured that the QSO had not been completed at all.

Simply got back in line and finally got a definite completion and "QSL" at 0204. Whew.

Conditions were considerably different from your previous FOX outing. At first your signal was sometimes really ESP rather than RST :-). But for approximately the last 75 minutes you were getting stronger overall, with a max RST of 579QSB.

Thanks again, and I will look forward to your final log.

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 7187
Bismarck, ND 58507
70511.3041@compuserve.com

Date: Wed, 3 Mar 1999 23:16:08 -0500 (EST)

From: "Paul R. Valko" <prvalko@oakland.edu>
To: Jim Francoeur KC1FB <jrfrancoeur@snet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34745] FOX!: FOX: Individual Scores?
Message-ID: <Pine.OSF.3.95.990303225312.11460A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 3 Mar 1999, Jim Francoeur KC1FB wrote:

> I see a lot of postings for the Teams, but I haven't seen many for the
> individual Foxes or Hunters. Are they on a web page and I missed the
> posting?

Here is the skinny...

I was posting them pretty regularly up until December 98. Then I got involved in all this Y2K stuff at work (REALLY! It's what I do to pay the bills!), a vacation, the holiday, and before you know it, IT'S MARCH and the FOXHUNTS are about OVER!!!

So... I will eventually get ALL my friendly fox to send me logs (I don't have 'em all yet and it's NOBODY's fault).

Then, I'll post results. My GOAL is to have the results ready BEFORE FDiM.

By the by... one rule that was blatantly violated was "corrections or fills, if you will" via email. It is probably the single biggest problem I had because a couple fox ended up with four or five "FINAL VERSIONS" of their logs. I gave up trying to even keep track of 'em all. The foxii were supposed to just post ONE log and that was that.

After saying that, I am perfectly well and ready for the hailstorm of email protests that will come from the posting of the results. Unfortunately... I only plan on posting the results once. If someone gets screwed out of a couple QSOs, make sure you make a big deal about it at Dayton or on QRP-L so that everyone knows you REALLY worked the fox 15 times instead of 14 like that bonehead W8KC said.

Let's fantasize for just a moment and think, "What if there WAS no "results?" "What if the whole GOAL of the foxhunt was simply found in RULE #1?" Did you have fun? Did you get on the air? Then our work here would be done.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

Date: Wed, 03 Mar 1999 23:45:19 EST
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [34746] ICom IC-735 sold...Is the K2 available?
Message-ID: <19990304.044320.7991.0.wb2vuo@juno.com>

I have a committment for the IC-735, and with all of the reports on the K2, I am considering it for my next rig. Are the actual "production" radios out? Can I order one and expect it before QRPTTF in April?

Direct replies, please.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp.
Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon
"My night light runs more power than my Rig!!!"

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 3 Mar 1999 22:54:13 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [34747] Hip, Hip, Hooray!
Message-ID: <199903040454.WAA02253x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Today I got my SW40+ that I built back from Dave Benson, who corrected a minor problem and tonight I built and installed the Freq Mite into it. The Freq Mite is a cool little device! Even though I am still 'antenna impaired' I have had fun just turning the tuning knob and listening to the CW readout of the Freq Mite :)

The building of this kit has been an awesome experience for me. I have learned a lot and actually am beginning to understand some of the theories I

had to learn for my original Tech class license test. It's amazing how much you learn by actually building something instead of just plugging a radio into the wall. I'm beginning to think that all hams should have to build at one piece of their equipment in order to get a ticket... the 'hands on' is invaluable.

I want to thank everyone on the list that have gone out of their way to take the time to write me and give advice, suggestions and some great conversation. There are some list members who have even sent me actual equipment to use and try out with my new little rig. I even have a Six Pack kit that I am going to be building and trying to get working soon (I have to send it back once built, but I am getting addicted to building <g>).

I have been blessed to feel the 'ham spirit' that I hear a lot of 'old timers' (no offense meant by that) talk about at club meetings, by people on this list. I was strictly a no-coder for a couple of years before recently upgrading and I never felt the 'love of ham radio' from other no-coders as I have from members of the list. Granted, there is nothing wrong with being a no-coder, I am well versed in VHF/UHF antennas, digital modes and satellites, but I have found a real excitement in the building of this kit. I guess it's similar to the posts I see from people that are building some of the newer, fancier kits that are now available.

I hope to have some form of antenna in the air by the end of the weekend and maybe even have enough nerve to try and send some code. I have to admit that it scares me and I'll probably just do a bit of listening first. If one of you should happen to encounter me in the Novice section on 40 meters, be very gentle <grin>.... it's going to be an uphill battle for me, but I'm determined!

Once again, thanks to all that have helped me in my endeavor, it is appreciated!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Thu, 04 Mar 1999 00:08:11 -0500
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34748] FS: Rotary switches for fireball frequency switching

Message-ID: <36DE153B.D7A09580@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Having both the "fireball" and "son of fireball" crystal oscillator cans, I thought it would be fun to "parallel" the oscillator cans and be able to switch between the eight available frequencies (ie 2 per band X four bands). In my parts bin I found several Grayhill pcb three-deck 10-position/pole rotary switches (1/4 amp, 1/8" shaft, fairly compact. I have put a picture of them at <http://www.geocities.com/CapeCanaveral/Lab/7378/rswitch.jpg>)

The eight oscillator outputs are connected to the positions on the first deck, the common of deck 1 is connected to the common of deck 2, and decks 2 and 3 are used for switching in the appropriate filters. Showing only four of the frequencies, it looks as follows:

40 M (1)----->	<-----	40 M lp filter----->	
40 M (2)----->	<-----	"	----->
20 M (1)----->	<-----	20 M lp filter----->	
20 M (2)----->	<----->	<-----	"-----> <----- output
	Deck 1	Deck 2	

Deck 3

The pins on the switch are very close spaced, so making up a pcb to accept the pins might be tricky. But by mounting the switch onto the fireball enclosure with the pins facing up, its easy to solder wire jumpers directly to the pins (kinda "dead bug" style).

Someone else may be interested in trying this approach. I have three extra of these switches, which I'll sell for \$13 each including postage. It will come on a small piece of circuit board, so you get the fun of desoldering. I had no problem with this - just used solder wick, and after one pass over each of the 33 pins I examined each one under a magnifier, "pushing" the pin away from the side of the hole on which there was still a small solder bridge. After that, the switch pulled out easily.

72/73, John VE3JC

		VE3JC John Cumming
Q		Delaware, ON CANADA
/\		jbcumming@wwdc.com

@` / ---- hf qrp cw bicycle mobile
() \ () http://www.geocities.com/CapeCanaveral/Lab/7378/

Date: Wed, 3 Mar 1999 22:08:38 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: vintage@best.com
Cc: qrp-l@Lehigh.EDU
Subject: [34749] Re: My NC-20 Success Story (Finally!) & a Lesson
Message-ID: <19990303.225126.-159847.2.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob,

Thanks for the heads-up on the bum 3-terminal regulator. I've had to change those little critters out too. I liked your description of the troubleshooting process. There's a lot of good info and advice in your post for folks to take in. I've heard a few NC20's that sounded like you described. Everyone should use a stout DC supply and 18 ga. or so wiring to power these rigs. The coaxial plug should fit the DC input jack tightly, and the power cord should be kept as short as is reasonable to reach to the rig.

BTW, I call that part-swapping process "blueprinting". Happens all the time 'round here. ;-)

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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Date: Wed, 3 Mar 1999 22:45:23 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [34750] NC20: shunt-feedback amp gain
Message-ID: <19990303.225126.-159847.4.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys,

I spent a little time today experimenting with the feedback network around Q3/Q4. Since the gain of the amp pair is supposed to be determined by the ratio of R14 / R12, I figured I'd increase R14 a bit to see what effect it had. You know, $G=R_f / R_{in}$, like an op-amp.

Beginning with the original 47k resistor, I went to 51K and made some measurements. I only saw a slight improvement in the RF voltage at Q3's collector. Something like 100mv p-p. I had more variation in RF output between different 2N5179's than that. 56k did not yield hardly any increased RF output at Q3's collector. Shucks.

Since Q3's collector is the takeoff point for the VFO injection to the TX-MIX, meaningful gains need to happen here to have any significant effect on the TX-MIX input. Q3's collector is inside the shunt-feedback loop, so changing the R_f value at R14 does not have the effect it does at the output of the whole amplifier, namely Q4's emitter that feeds the L0 to the RX-MIX and L0-AFA.

I ran out of time to see what effect the higher R_f value at R14 had on the RF level at Q4's emitter. I did see a little increase there, but the TFM-2 is clamping the already adequate signal there, so I need to remove R18 temporarily to make some measurements. R18 is low enough in value that in combination with the diode dbm is holding the VFO output down even if the gain of the shunt-feedback amp does increase with new R_f values. I'll look at it some more tomorrow.

Pity the TX-MIX signal does not come off the same point as the RX-MIX and L0-AFA, but I think I know why. The diode dbm distorts the waveform at Q4's emitter by clamping it as the L0 input saturates. This would not be cool for spectral purity of the TX-MIX, or would it? I know diode dbms operate more effectively with square wave L0 injection, but would this corrupt the output from the Gilbert cell mixer inside the NE602?

Anyway, it appears to me the different taps for the TX-MIX and RX-MIX / L0-AFA are to offer some isolation between the two VFO outputs that go to the TX and RX / AFA circuits. Q4 provides that additional buffering and gain from the signal that is present at the collector of Q3.

Just to satisfy my curiosity, I *did* try a lower value resistor for R14. A 33K and 39K resistor did reduce the output as expected, but had only a moderate effect at Q3 collector as when R14 was increased. Still inside the feedback loop, you know.

BTW, R4 is really easy to get to and remove for these tests because it is right on the edge of the PCB. I'm going to study shunt-feedback amp theory a bit more to see if the other resistors in the shunt network might be changed to improve the amp's gain and output.

More tomorrow.....

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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Date: Thu, 4 Mar 1999 06:14 +0000
From: Rod Cerkoney <rwc@frii.com>
To: <mpaley@wcnet.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34751] RE: first QSO
Message-ID: <199903040613.XAA21414@deimos.frii.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Mark:

-----Original Message-----

>From: "Mark Paley" <mpaley@wcnet.org>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: first QSO
>Reply-To: mpaley@wcnet.org
>Date: Wednesday, March 03, 1999 1:23 PM
>
>This is a first qso with a just completed and tested rig.
...

Congrats my friend, I've had that experience 3 times now, OHR100, NC40(cool rig) & NC20.

An accomplishment to be proud of my friend.

> At any rate it is a great feeling to get a good signal report with the
>first call you put out with a brand new rig, even if it is only about 150 or
>so miles down the road.

My first NC40 QSO was with a ham in Denver, 60mi away. He just finished his sw40! so for both of us it was a New-rig-2-way-qrp-first-qso! Distance don't matter, the fact that you did it is what counts!!! Distance will come in time at that too is very exciting.

72/3 NØRC
Rod Cerkoney
Fort Collins, CO

Date: Thu, 4 Mar 1999 01:20:03 -0500
From: "Todd Carpenter" <carpentt@citrine.indstate.edu>
To: "qrp-L" <qrp-l@Lehigh.EDU>
Subject: [34752] SSB
Message-ID: <5E27F9B6ADD@citrine.indstate.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey gang, anyone have an opinion on the centennial ssb rig from Dan's Small Parts? I am considering 80 m qrp portable. I am considering the Epyphite too, but want to compair before i decide to buy. Thanks
Todd.

=====
Todd M. Carpenter, N9YSQ
President ISUARC
Member: WVARA, THRC, GQRP, INQRP, ARCI

Date: Thu, 4 Mar 1999 01:18:44 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [34753] Re: CW Contacts
Message-ID: <5fe7b5c4.36de25c4@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 3/2/99 6:57:53 PM Pacific Standard Time, wa8rxi@juno.com writes:

<< How many of you remember your first cw contact ? >>

I certainly do!! it was Betty, KL7AP. she never did cw but was active in the club and was willing to get on and give this newbie a first qso. it was on the 15 meter novice band (i was a tech), October 23, 1983. she was using a (then) state of the art, new TS-430S to a Telrex tribander...i made a sked with her over the phone. we must have sounded horrible! i was very green, and she was a 2 meter op. i was using my old Galaxy V tube rig, and for the life of me, i cant remember what antenna i was using...but i know it wasnt a good one.

my first real DX (without a sked), was with JA8FCB...i was on 15 calling CQ and was falling asleep while sending on autopilot, was jolted awake by my call coming back to me! it was fading in and out so i knew it wasnt local, i heard the "de JA8FCB" and was hooked on DXing ever since.

73...Adam, N7YA

Date: Thu, 04 Mar 1999 02:38:15 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [34754] CW Skill
Message-ID: <3.0.32.19990304023812.006eabe0@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Gang...

There are many fine fists on this list and most are a pleasure to copy on CW.

I don't claim to have high speed CW skills but would like to comment about spacing.

"A smile is as good as a wink"...a space means as much as a sent dit or dah.

Smeared together CW with no attention to spacing sounds like junk. Good CW is music....another language.

An urge to send faster can lead to shorter spaces and gibberish.

Bottom line is cruise along when sending and maintain spacing.

A space is meaningful and the mark of a good CW OP.

Sorry to bore the OT's on the list...just would like to hear more clean CW.

73 Pete NV4V old calls..W4VCT, WB2HRF, K0CJF

Also answers to N444....hi

Somewhere south of Nonesuch. Ky.

Date: Thu, 04 Mar 1999 00:08:53 -0800
From: David Fifield <fifield@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, GQRP Reflector
<GQRP@onelist.com>
Subject: [34755] ***The NorCal 20 Commercial Deal***
Message-ID: <36DE3F95.36165E12@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks,

I promised you that the NorCal 20 would become a commercial kit and others have hinted on a 40m version too. Well, it is going to become a reality very soon.

The NorCal 20 will be available from a NEW ham radio kit company called:

Red Hot Radio

The NorCal 20 will be the first of many high-performance radio kits planned for introduction in the next few years. At the same time as shipping the NorCal 20 kit, Red Hot Radio will introduce a 40m version known as the "Red Hot 40". The Red Hot 40 (or RH40 for short) is based directly on the NorCal 20 design.

The Red Hot Radio version of the NorCal 20 kit and the Red Hot 40 will both have several improvements/enhancements over the NorCal kit version. It will ship with a dark red anodized and engraved case from the San Luis Machine Company, a ten turn tune pot, improved AGC action and enhanced AFA operation to name a few.

Pricing is not yet solidified, but it will be **very** competitive. Check out the whole story on the Red Hot Radio website at:

<http://www.redhotradio.com>

Also on this website are some NorCal 20 builder resources and the parts to change to get an existing NorCal 20 converted to 40m operation. Note that this is a complex conversion - not to be undertaken lightly AND the AFA will NOT WORK in the 40m converted rig. Best all round to wait for a proper 40m kit.

I will announce when we are ready to start taking orders. This will be several weeks yet, as some parts have very long lead times.

72, Dave Fifield, AD6A
<http://www.redhotradio.com>

Date: Wed, 24 Feb 1999 05:10:53 -0800
From: utahfolk@konnections.com
To: qrp-l@lehigh.edu
Subject: [34756] WTB: 222 MHZ Gear
Message-ID: <36D3FA5D.44FF@konnections.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looking for 222 MHZ gear I can use in QRP work.
Interested in TH31BT HT's in good condx and
other 222 gear that can be used or modified to
work QRP ... I'm a Novice and active and
interested in what I have been able to do
QRP here ... Please reply direct.

..... de Jon KB4ZDU

Date: Thu, 4 Mar 1999 07:15:17 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Pete Burbank <plburbank@kih.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34757] Re: CW Skill
Message-ID: <Pine.3.89.9903040749.A22991-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 4 Mar 1999, Pete Burbank wrote:

>
> An urge to send faster can lead to shorter spaces and gibberish.
> Bottom line is cruise along when sending and maintain spacing.
> A space is meaningful and the mark of a good CW OP.
>
> 73 Pete NV4V old calls..W4VCT, WB2HRF, K0CJF
> Also answers to N444....hi
That's funny! Years ago I used to build a line of memory keyers that I

named "Model N42" after N4UM whom I built the first one for...

On the spacing issue, I agree whole heartedly! I CANNOT copy someone who sends with inadequate spacing and usually have no choice but to QRT. In a perverted way, I envy those who can copy the gibberish.

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Thu, 04 Mar 1999 05:59:11 -0700
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@lehigh.edu
Subject: [34758] Request for HF help and elmer for ham in Houston
Message-ID: <36DE839F.6E6014AC@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I received this email off of the web site. I am looking in to getting some more detail and desires to see what we can do for a rig. I am thinking that there might be someone in his area that would have a rig that could be loaned in the meantime. I will work with him to see if he can perhaps build the elmer SW40+, or I will build something or whatever it takes. It would be fun and worthwhile for me to see if I can help him out. In the meanwhile, if there is someone that lives in his area that knows of a rig or something that could be loaned, please let me know and I will see what we can do. I think I like this guys attitude and if any group can help, this one can!

Jess

--

Jess NOTFI <><

<http://www.concentric.net/~jessqrp> Personal Home page

<http://qsl.net/n0tfi/bug.html> Bug Stories

Date: Thu, 04 Mar 1999 06:07:46 -0700
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-l@lehigh.edu
Subject: [34759] Ham need elmer and rig to start that lives in Houston
Message-ID: <36DE85A2.8DC21178@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I received this email off of the web site. I am looking in to getting some more detail and desires to see what we can do for a rig. I am thinking that there might be someone in his area that would have a rig that could be loaned in the meantime. I will work with him to see if he can perhaps build the elmer SW40+, or I will build something or whatever

it takes. It would be fun and worthwhile for me to see if I can help him

out. In the meanwhile, if there is someone that lives in his area that knows of a rig or something that could be loaned, please let me know and

I will see what we can do. I think I like this guys attitude and if any group can help, this one can!

Jess

Hi, I stumbled onto your site recently and liked what I saw, I really need help, and maybe, if you have the time, you could help me. I have been a Amateur Radio Operator since Sep 1993. I started with the Tech rating (KC5DXQ) then passed my code test and became a Tech Plus, I operated on 2 meter mostly, but luckily had the chance to use a HF radio that belonged to the Navy (I was in the Navy also), I have never had so much enjoyment in my life, especially receiving QSL cards. I got out of the Navy in 1994 and now live in Houston, TX. I have very limited funds, but would love to have my own HF radio, especially QRP, my most exciting contact was to the Bahamas using 7 watts. I have been out of Ham Radio since then occasionally talking on 2 meter, because of my limited funds I knew I couldn't buy a HF Radio. I know nothing about building kits, (very electronically illiterate..haha). Well to get to the point, maybe you could match me with someone who has an old HF radio they would like to get rid of or someone who would build one for me, I do

have a little money but not much. I really appreciate the help, if you have the time.

Thank You very much!!

Charles Hamel
(KC5DXQ)

--

Jess NOTFI <><
<http://www.concentric.net/~jessqrp> Personal Home page
<http://qsl.net/n0tffi/bug.html> Bug Stories

Date: Thu, 04 Mar 1999 06:31:09 -0700
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@lehigh.edu
Subject: [34760] New Blue Racer
Message-ID: <36DE8B1D.FDB5D18D@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Has everyone heard about the new Blue Racer that Mitch will be selling? I have heard hints of it and it will be out late spring. There are not many details available yet, just that it will be y2k compatible :-) and a new version of the Blue Racer. I for one am jazzed, I have been looking for an affordable Blue Racer and have had no luck. My dreams consist of a Blue Racer deluxe.....;-0

Jess

--

Jess NOTFI <><
<http://www.concentric.net/~jessqrp> Personal Home page
<http://qsl.net/n0tffi/bug.html> Bug Stories

Date: Thu, 4 Mar 1999 07:33:17 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Paul R. Valko" <prvalko@oakland.edu>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [34761] Re: FOX!: FOX: Individual Scores?
Message-ID: <Pine.LNX.3.95.990304072820.30854B-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Paul....I've had the same problems figuring up the Team scores when we receive more than one posting of the logs....but I try to do the best I can with the scores as I want them to be 100% if possible and give credit where credit is due....as we all know, we can have a change in the fox for any particular night, no-shows, delays in postings, etc but it's all part of the game...it would be nice to have one posting.....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

Date: Wed, 3 Mar 1999 18:27:54 -0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: <fgrig@iea.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [34762] Re: Argh! I fried my NW40!
Message-ID: <000201be6644\$54131aa0\$46eab094@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Perhaps you are recommending we all do this, to improve our QRP DXing?!

.....
Frank G3YCC G QRP 042, G QRP Sales Officer.
QRP web page <http://www.homeusers.prestel.co.uk/g3ycc/>

Date: Thu, 4 Mar 1999 08:45:38 -0500
From: "George Heron" <gheron@nac.net>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [34763] FB40s, Amps, AOKs shipping update
Message-ID: <014201be6645\$b3a40500\$4d327bd1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

News from the NJ-QRP ... all outstanding kit orders are shipping this week! This includes:

- Fireball 40 revB QPPp transmitters,
- FB40 AMPS (including TiCK & PCB options)
- Rainbow Tuner "Add-On Kits" (AOK)

And here's some real exciting news for those who ordered the TiCK keyer option with the 1.5W AMP bag-o-parts kit:

The deal from Brad & Gary of Embedded Research **was** for the TiCK-1 keyer chip, offered at a great price of \$4 when ordered with the FB40 AMP from the NJ-QRP Club. Well, they didn't have as many TiCK-1's in stock as we needed, so they sent us TiCK-2B's instead!! That's the keyer chip version that has a 25 CHAR MEMORY BUFFER **and** BEACON MODE !!!

The TiCK-2B is **really** a great deal for \$4. (Remember that this offer is only good as an option with the FB40 transmitter kit or with the FB40 AMP kits, from the NJ-QRP Club.) Thanks Brad & Gary!

You can see all of the Embedded Research product lineup at <http://www.frontiernet.net/~embres>

You can see all details about the:

... \$10 Fireball 40 QRPp Transmitter Kit, and
... the \$11 FB40 AMP "Bag-o-Parts" Kit (no pcb), and
... Options (\$4 TiCK keyer components, \$4 bare PCB)
at <http://www.njqrp.org/fireball40/>

72/73,

--George Heron, N2APB
n2apb@amsat.org in Sparta, NJ
for the NJ-QRP Club at <http://www.njqrp.org>

Date: Thu, 4 Mar 1999 08:55:28 -0500 (EST)
From: afpgreg@state.me.us (Paul V. Gregory)
To: qrp-l@Lehigh.EDU
Subject: [34764] TT Scout/555 Reviews?
Message-ID: <199903041355.IAA21560@gatekeeper.ddp.state.me.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am strongly considering one of these and would appreciate comments on it as both a cw and ssb rig, QRP and QRO.

tnx de N1ZR, Paul

Date: Thu, 4 Mar 1999 08:15:45 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [34765] N/T+ Fox
Message-ID: <061a01be6649\$aaa15c60\$a10a5e2c@groucho>

Just a reminder I will be on tonite, Thursday evening
20:00 to 22:00 CST (2:00 to 4:00 next day UTC).
Will start out around 7.108 MHz.

Oh, one thing that would be helpful. I noticed Tuesday evening when the conditions were bad that I tended to miss the first couple characters as I focused in on the receive tone. Perhaps sending your call twice would help me.

Please call me at my sending speed or a bit slower as I tend to send a little faster than I can receive easily. Hunters sending above my speed will find themselves without a pelt!

I'll call using:
CQ FOX CQ FOX DE KA0GKC KA0GKC K

I will then try and pull a call out of the pack and reply,

URCALL RST #### DE KA0GKC KN

Then if you would reply in this double format below it would be helpful to me or send RST? RST? if you missed it.

R R RST #### ST ST NAME NAME NR # NR # DE URCALL KN

And I'll ask for fills or end the QSO with;

TU 73 QRZ FOX DE KA0GKC K

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1

Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Thu, 4 Mar 1999 08:20:56 -0600
From: "Jim Hale" <kj5tf@madisoncounty.net>
To: "CQRP" <CQCLIST@MTECHNOLOGIES.COM>, "QRP-L" <QRP-L@Lehigh.EDU>
Subject: [34766] N0TU post & QSL card maker help needed
Message-ID: <003e01be664a\$38e07600\$4459eddd0@user>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

1

Did you'all see the QRP-L post from Steve N0TU?
I hope everyone is enjoying life and ham radio as much as Steve and I.

I'm trying for the Arkansas QRP mW WAS Total Points award, and Steve is my lowest score for Colorado. Maybe I'll work another of you guys from CO. at a lower pwr than 40mW - we'll try anyway.

That was a special QSO - If you didnt see his posting emeil me and I'll send to you. (If thats OK, Steve?) QRP-L #1384 I think...

Steve was mobile with his Bug Catcher antenna and we worked on 7.040MHz thru the QRM, and QSB. Milliwatts even work on 40M! Even mobile!

What an antenna! What a set of ears!

2

I downloaded the WB8RCR QSL maker software. I want to add background to my card from jpg's or gif's. I clicked for info, tried to read it, but it didnt get thru the cement. hi

Can someone walk me thru the process? (Big dummy style)

Jim KJ5TF/QRPp

Date: Thu, 04 Mar 1999 06:27:12 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-1@LeHigh.edu
Subject: [34767] NorCal's March Meeting Announcement
Message-ID: <3.0.6.32.19990304062712.007e7e00@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers,

the March meeting of the NorCal QRP Club will be held as usual Sunday March 7th at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so. No rules, no minutes, no new business, no old business, just a get together of QRPers who want to meet and share QRP information with others of like interests. Our meeting is entirely social, and those who attend always seem to enjoy themselves. If you come, bring along

your latest project to share with the rest
of us, we want to see and admire it, probably
steal a couple of your ideas in our next
project, but we will have fun!

72,
Doug, KI6DS

Date: Thu, 4 Mar 1999 09:42:50 -0500
From: "dor" <elbc@pivot.net>
To: <afpgreg@state.me.us>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34768] Re: TT Scout/555 Reviews?
Message-ID: <002201be664d\$48212800\$663d62ce@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Paul V. Gregory <afpgreg@state.me.us>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, March 04, 1999 8:45 AM
Subject: TT Scout/555 Reviews?

>I am strongly considering one of these and would appreciate comments on it
>as both a cw and ssb rig, QRP and QRO.

>
>tnx de N1ZR, Paul
>

Hi Paul,

I've had one for over five years now love it. great little rig.. it's my
primary station at the moment.. but it is not battery freindly .. at about
1amp on recieve it's not a good choice of back packing type of operation.. ,
it has a good rx .

I find it a very good rig for my all round operating habits.. I did modify
it from original in that i replaced the original power control with one that
is easier to use, i can get mine down to 2.5watts out and up to 50w no
problem..

hope this is of help 73 , Dave Kc1di

Date: Thu, 4 Mar 1999 06:51:57 -0800 (PST)
From: Gary Slagel <gdslagel@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [34769] qslmaker 2.0 TIP: black screen for .bmp file?
Message-ID: <19990304145157.27849.rocketmail@send203.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Gang-

I'm really liking qslmaker but here's something that I had a problem with that I thought I'd pass along.

I took some FYBO pictures and had the developer put them on a floppy disk for me. When I imported the .bmp file into qslmaker I got a black background on the screen (it DID print ok). This makes it hard to get everything on the screen arranged right. I found that the pics came in a '256 color' format. When I converted it to a '24 true color' format and imported it again the picture showed up on the screen.

Another tip... don't expect to be happy with the quality of the photo that the developers put on a floppy disk. I don't think there's enough room on the disk for high resolution images so they are very low res. Anyone have advice on an easy way (inexpensive) to get higher res copies of photos? How do cheap scanners work? Will copy businesses (kinkos?) do it?

Very happy with qslmaker!!! Makes my little forays into the woods feel like a dxpedition when I've got custom qsls. And... I'm using my low res images anyway so all 29 of you guys I worked on FYBO can be expecting a treat in the mail :-) hi hi.

73, gary

==
Gary Slagel
N0SXX
Conifer, CO 80433
gdslagel@yahoo.com

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 4 Mar 1999 09:01:49 -0600
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>
To: <gdslagel@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34770] Re: qslmaker 2.0 TIP: black screen for .bmp file?
Message-ID: <002501be664f\$ee4680c0\$6c1115ac@classifiedventures.com>

Many labs now will put your photos on a cd-rom. My experience has been pretty good with these... kodak's cd-rom has jpg format pictures on it as well as some rudimentary software to manipulate them.

You might want to consider a cheap scanner if you'll be doing a lot of scanning. my umax astra 610p scanner is decent (300x600 dpi resolution) and has not given me any problems since i bought it (~1 year ago), and it was only \$90. Probably even cheaper now.

Kinko's has computers w/ scanners, but at \$12 an hour, you might be better off just buying a scanner and using it for 7 hours or so :)

72/73, chris aa9hd

----- Original Message -----

From: Gary Slagel <gdslagel@yahoo.com>
>Another tip... don't expect to be happy with the quality of the photo
>that the developers put on a floppy disk. I don't think there's
>enough room on the disk for high resolution images so they are very
>low res. Anyone have advice on an easy way (inexpensive) to get
>higher res copies of photos? How do cheap scanners work? Will copy
>businesses (kinkos?) do it?
>

Date: Thu, 4 Mar 1999 08:30:35 -0800
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [34771] Electronic book
Message-ID: <199903041529.IAA05216@srv.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can anyone tell me of a reasonably priced book on basic solid state electronics or have one they would like to sell. Thanks Cal KF7ET please reply direct to colcal@srv.net

Date: Thu, 4 Mar 1999 14:07:35 -0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: <w5hir@gte.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [34772] Re: My first
Message-ID: <000b01be6655\$b23dcb00\$8be8b094@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you want my advice, I would go to an established page (mine if you wish!) and copy some of the files onto your word processor. In that way you will see how to do various things, like incorporate pictures, sounds etc. There are also sites with html help files on them, but basically all you need to do is copy someone else!

To incorporate a picture use:

, where key1.gif is the name of the picture. Note, it must be exactly the same case, so KEY1.gif or key1.GIF would not work (only key1.gif).

To add a sound to your page use <BGSOUND SRC="query.mid">, where query.mid is the name of the music file, again noting the case!

If you need any help in doing your page, I am very pleased to be able to help, just ask!

.....

Frank G3YCC G QRP 042, G QRP Sales Officer.
QRP web page <http://www.homeusers.prestel.co.uk/g3ycc/>

Date: Thu, 04 Mar 1999 08:45:54 -0800
From: Ray Colbert <af852@rgfn.epcc.edu>
To: wj5o@juno.com, qrp-l@lehigh.edu
Subject: [34773] Re: tube ID

Message-ID: <36DEB8B2.55EA@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ruggedized version of 6146.

--

Ray Colbert,
(also w5xe@juno.com)
El Paso, Texas (Far West Texas)

Date: Thu, 4 Mar 1999 11:27:39 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@lehigh.edu
Subject: [34774] Re: Mobile home "INVISIBLE" antenna?
Message-ID: <41260.owen@piper.eeel.nist.gov>

In message Wed, 03 Mar 1999 16:39:26 -0500,
"David Hurley, n2zhy" <n2zhy@amsat.org> writes:

> Ed:
>
> Somewhere in a book or a magazine I saw two identical
> Dodges(the car), attached to coax and being used as a
> dipole. At the time I dismissed this as a cute stunt but,
> having been on qrp-l for a couple of years now, I know there
> is a basic truth hidden in there somewhere.

> David,n2zhy
>

You have a good memory David. That antenna was designed by a member of our radio club here at NIST. It was designed by Jeff Horlick KZ3F and in QST 7 or 8 years ago as I remember. He called it the "Two Dodge Antenna". Worked fine.

72 Jim K4CGY qrp-l #72 Trustee K3AA NIST-BRASS

Date: Thu, 04 Mar 1999 10:30:27 -0600
From: "Ed Manuel, N5EM" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [34775] QSLMaker 2.0; Getting Digital Pictures
Message-ID: <3.0.5.32.19990304103027.009a06d0@pop.flash.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

One more tip. If you have a good camcorder, you can make video tape of your outing. When shooting, visualize the image you want and make sure you have about 10 seconds of nice, still video.

Then, use a video capture device with your computer to capture the video into a still image. You can get these devices in a variety of formats for different interfaces (parallel port, PCMCIA card, ISA card, PCI card, USB) and they range in price from \$50 up to \$250.

I have one called an AIGotcha2 that hooks to the parallel port.

Now, you wouldn't run out and buy all this stuff just to have a cool pix of your outing (you can buy a \$7 disposable camera and get the pix), but if you already have the camcorder and the computer, it's a small step to having captured still images. Most of these capture devices let you adjust resolution so you can make pix for transmission or web sites with low to medium res, or you can go for best resolution at the cost of file size.

Just one more idea.
Ed Manuel, N5EM
Houston, Texas

n5em@amsat.org
atv@cq-vhf.com

Date: Thu, 4 Mar 1999 10:23:09 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34776] Scottsdale Hamfest
Message-ID: <Pine.BSI.3.96.990304102219.1267B-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Could somebody please post the days and time for the Scottsdale (Arizona) hamfest? I know that it's this month, but haven't heard of the day yet.

```

      /-----\
      /  What's all this  \
      / extinct stuff, anyhow? \
      \-----/
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(--) \
     \  . ' .
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     \  ( ) \
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     \  | | | | \ '
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```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
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Technical Editor,
QRP Quarterly
QRP ARCI 9464

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Graphics by Loek Frederiks

```

-----
Date: Thu, 4 Mar 1999 11:30:24 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [34777] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.990304112832.22903A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

```

...log corrections...

...VE7CQK.....hunt #35....

```

*****
The 40 mtr Fox Hunt Team Scores
*****

```

..the Houston Hounds- 26.650 - hounds->K5ZTY,W5SB,KQ5U,KK5LD"CLEAN SWEEP!"

...the Texas Tarantulas-22.500-hounds->AB5WX,K5LN,N5TW,W5HNS"CLEAN SWEEP!"

...the Underdogs - 21.907 - hounds -> N4ROA,AB7CE,KI0II"CLEAN SWEEP!"

...the Vibro-Fox Finders - 21.600 - hounds -> WE6W,KU7Y,K2VCO,WS8D

...the Fox Nabbers - 19.061 - hounds -> K0EVZ,W0CH

...the Brass Pounders - 17.750 - hounds -> N1FN,AK7Y

...the Northern Lights - 15.330 - hounds -> VE6EWM,VE5RC,VE2KN

...the Kentucky Porch Houndz - 9.500 - no luck.

...the Swords - 8.658 - empty jaws.

...the Team Apathy - 8.326 - hound -> K7TQ,AB7TT

...the Jersey Diddles - 3.157 - hungry hounds.

Date: Thu, 4 Mar 1999 11:44:02 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [34778] 72ohm Feedline
Message-ID: <199903041744.LAA20428x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Is it acceptable to use 72ohm feedline for a dipole antenna or is it best to use 52ohm RG58 or RG8?

73 Jeff

----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, AO-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA

Date: Thu, 4 Mar 1999 12:57:06 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34779] Re: 72ohm Feedline
Message-ID: <002901be6668\$6be11e60\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, if the cables were otherwise equal, would you want the mismatch to be at the dipole to feedline junction or at the feedline to radio junction?

Most 72ohm feedline is not as good a quality as the better 50 ohm stuff. But if you pick up, say, 75 ohm hardline as 'spool ends' from the cable company, then I'd DEFINATELY say put the mismatch at the radio end!

Mike Yetsko
N1DVJ

>Is it acceptable to use 72ohm feedline for a dipole antenna or is it best to

>use 52ohm RG58 or RG8?

>

>73 Jeff

>

> *----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*

Date: Thu, 4 Mar 1999 11:58:35 -0600

From: "Chris Cieslak" <ccieslak@law.uiuc.edu>

To: <jeffj@scott.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [34780] Re: 72ohm Feedline

Message-ID: <002d01be6668\$a06729e0\$6c1115ac@classifiedventures.com>

If i remember correctly, the feedpoint impedance of a 1/4-wave dipole is somewhere on the order of 68 ohms, so that's not a problem. The biggest problem with doing this is the output impedance of your transmitter. If it's a commercial solid state rig it's expecting 50 ohms, so the swr will be about 1.5:1. That's not too poor at all, but if you're running reeeeeeeal low power i would think you'd want as little mismatch as possible for maximum signal out.

Of course, if you're building a set, just retune the output circuit and you should be fine.

bottom line? in my opinion, if you're buying new coax, go with 50-ohm rg8 or rg213, but if you've got a roll of 75ohm coax laying around, by all means use it. It's not the "right" thing to do, but there won't be much of an adverse effect.

opinions on this, folks? There are some real smart people on this list... they've forgotten more about ham radio than i ever knew :)

72/73, chris aa9hd

>Is it acceptable to use 72ohm feedline for a dipole antenna or is it best to
>use 52ohm RG58 or RG8?

Date: Thu, 4 Mar 1999 10:02:55 -0800
From: "Mont Pierce" <montp@synacom.com>
To: <jeffj@scott.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34781] RE: 72ohm Feedline
Message-ID: <000001be6669\$3ac8f400\$72855fcf@unkown2.synacom.com>
Mime-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Is it acceptable to use 72ohm feedline for a dipole antenna or is
> it best to use 52ohm RG58 or RG8?

RG58/RG59 has higher losses on long runs and on higher frequencies.
On HF bands with runs of 100 feet or less, they seem to be ok. But
if you want to make sure that every spec of power your xmtr squirts
out makes it to the antenna then the thicker stuff will work better.

Personally, I tend to use the thicker stuff for anything over 50 feet.

Now the other question: 72ohm coax or 52ohm coax?

There are some that will insist on RG8/RG58 ONLY for everything...
And there are others that will say "it don't matter".

Are you a purest?

Xmtr output now-a-days is almost always 50 ohm unbalanced.

Perfect dipole at proper height is about 70 ohm balanced.

Vertical is about 50 ohm unbalanced.

So I guess a purest would use 50 ohm coax with a 50 ohm to 70 ohm balun

at the dipole feed point.

Most people cheat though. How many of you connect your coax directly to the dipole (i.e. no balun)?

Some things don't always work in practice as they do in theory. And some things just don't seem to matter that much.

So again, personally I usually use 50 feet or less of RG58 to connect directly to the dipole. So what if I'm not getting perfect radiating lobes, I'm making contacts. :)

73,
km6wt

Date: Thu, 4 Mar 1999 10:29:06 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [34782] Need help finding source of 4.5 MHz filter for SW Receiver
Message-ID: <01be666c\$e3b8e900\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The March issue of Electronics Now has a neat little SW receiver project in it. The physics teacher at our school wants a simple project for his students, and I think that this is a good candidate. But, I need to find a source for one of the parts, which is a 4.5Mhz filter. No part number is given in the article. Has anyone bought this kit? Do you know of a source for a 4.5 MHz filter?

I plan on having them build it using pads and circuit board, the "Manhattan Style" that Jim Kortge uses. Thanks, Doug, KI6DS

Date: Thu, 4 Mar 1999 10:25:32 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: Jeff Johns <jeffj@scott.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34783] Re: 72ohm Feedline

Message-ID: <Pine.SOL.3.96.990304101635.25707A-1000000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 4 Mar 1999, Jeff Johns wrote:

> Is it acceptable to use 72ohm feedline for a dipole antenna or is it best to
> use 52ohm RG58 or RG8?

Good question Jeff!

You will get lots of replies on this one.

If you are going out and spending money buying new coax,
but the best ~52 ohm you can afford. 913 seems to be one
of the better ones.

However, if you are like me and don't like to spend a bunch
of money on coax..... read on.

I use 72 ohm coax on all my antennas. 2 different verticals,
one yagi at 85' (with two feedlines) and one inverted vee.

I use both CATV 1/2" hardline and the small CATV "drop line".

Both are very high quality line and both were cheap! The 1/2"
hard line was free and the drop line cost \$10 for a spool of
1000' new!

At HF you will not lose enough power in these feedlines to
worry about.

There are things you can do to make the rig "see" 50 ohms
but I don't bother!

Power levels here will run from about 30 mW to 100W.

I also use wire nuts to connect my coax to the antennas but
that's another subject! :-)

You can usually get left over cable from your CATV company.
Short sections, like 100' are of no use to them and work
just fine for us!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 4 Mar 1999 12:27:12 -0600
From: kkanalz@optelinc.com
To: jeffj@scott.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34784] Re: 72ohm Feedline
Message-ID: <8625672A.0065A19C.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

The feedpoint impedance of your (the) dipole is a function of dipole height above ground in terms of wavelength, Jeff, so your choice of "feedline impedance" should be governed by your particular dipole.

Check the impedance curves in the ARRL handbook (versus height above ground in wavelengths) and you'll see that dipole feedpoint impedance varies widely and *wildly* against height-above-ground.

Karl K. - W8TIF
McKinney, Texas

Jeff Johns <jeffj@scott.net> on 03/04/99 11:44:02 AM

Please respond to jeffj@scott.net

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: 72ohm Feedline

Is it acceptable to use 72ohm feedline for a dipole antenna or is it best to use 52ohm RG58 or RG8?

73 Jeff

Date: Fri, 26 Feb 1999 11:24:31 -0600
From: "michael" <michaelbstjames@email.msn.com>
To: <pmk@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [34785] Re: Foxhunt propagation
Message-ID: <000001be666d\$8b625ba0\$1c370b3f@default>

It was truly noisy in Minnesota as well. I had to leave the vertical and go to a long wire and very narrow filter to locate the n/t fox.

-----Original Message-----

>Boy it was terrible here in central Florida tonight.

Date: Thu, 04 Mar 1999 18:31:49 +0000
From: Goran Hosinsky <hosinsky@royac.iac.es>
To: qrp-1@lehigh.edu
Subject: [34786] Re: 72 ohm Feedline
Message-ID: <36DED195.F6C7BBDC@royac.iac.es>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is that coax or balanced line? If I remember correctly the loss values for the 72 ohm balanced line is on par with RG213, a lot cheaper and less weight. I used it for a quad once and it worked very well.

Saludos
Goran ea8yu

Date: Thu, 4 Mar 1999 13:52:37 EST
From: Robsparks@aol.com
To: qrp-1@lehigh.edu
Subject: [34787] AR QRP 40mnet results
Message-ID: <63bff703.36ded675@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The AR-QRP Net last night had 8 QNIs amid fair band conditions. Several QRP QSO's were in progress in and around 7.042 at 0130Z, when the net was to start, so the net QSY'd up to 7.04237 MHZ. We had a good showing! Here are the stations that checked in:

K5ID	Ken	
KC0DX	Ed	
KD5CMN	Mike	
K9UT	Jerry	
N1TP	Tom	
VE3KN?	Jerry?	Sri - this station was really down in the noise from my QTH
N3XRV/M	Chris	
NA1XX	Mike	

The NCS was Bob AB5ZD, QTH Alexandria LA, running 5 watts to a G5RV up in the pecan trees. Orientation of the ant wire is NNW to SSE. Following is a list of Arkansas QRP Club nets:

Monday Night	0130Z	3.560 mhz	N9ZZ
Bob AR #1 is NCS			
Wednesday Night	0130Z	7.042 mhz AB5ZD	Bob AR #277 is NCS

Non-members are welcome (and encouraged) to QNI!

72,

Bob AB5ZD

Date: Thu, 4 Mar 1999 12:54:01 -0500
From: W5TB <w5tb@SoftHome.net>
To: qrp-1@Lehigh.EDU
Subject: [34788] Q - what to do with 'excess' twinlead?
Message-ID: <v04011702b30478b7f173@[10.4.13.135]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Spring break is around the corner. plan to pack up the popup camping trailer with the xyl, pup dog, tt scout 555.5, tuner, soldering iron, a BUNCH of wire, cheap twinlead, and an assortment of bannana plugs & other connectors. I plan to play with antennas all week until i find the right combination for field trips. plan on a doublet fed with twinlead and configured as an inverted vee from the highest nearby tree for starters. I'll have 75-100' of twinlead so here's the question

what do i do with excess twinlead? Should it be snaked around to keep it uncoiled or is ok to coil the excess outside the trailer???

plans also call for trying a vertical random wire, various y's including a 5/8 wave on 20 -- should keep me amused all week :-) location -- dunno, depends on where it's warm and sunny -- anywhere from the Big Bend (no nearby trees here!) to arkansas -- lottsa trees so #1 choice if weather cooperates :-)
t.e.d.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Thu, 4 Mar 1999 12:51:26 -0500
From: W5TB <w5tb@SoftHome.net>
To: qrp-l@Lehigh.EDU
Subject: [34789] QSL MAKER - 4 cards per sheet???
Message-ID: <v04011701b304787fe441@[10.4.13.135]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Has anyone found the correct settings to print 4 cards per 8.5x11 sheet?

how about a gif or bmp of the qrp-parci logo screened to 50% or less as a background?
t.e.d.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Thu, 4 Mar 1999 11:20:47 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [34790] Need Dave Yarnes email address
Message-ID: <01be6674\$1bc09d00\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry for the band width. Dave Yarnes if you are reading this please send me your email address. I need to get in touch with you. 72, Doug, KI6DS

Date: Thu, 4 Mar 1999 11:12:37 -0800 (PST)
From: Theodore Wong <wong_th@eng.printronix.com>
To: qrp-1@lehigh.edu
Subject: [34791] FS: HW-8 In Need of a Good Home
Message-ID: <199903041912.LAA03603@taz.printronix.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-MD5: 8WiayrnjGgrYkKHgYDyJNg==
Content-Transfer-Encoding: 7bit

I have a very clean HW-8 with no mods for sale. Works great but I can never seem to get use to direct conversion receivers. I have the mating power cable for it. Asking \$125 + shipping.

Regards,

Tedd Wong
AB6CO

Date: Thu, 4 Mar 1999 12:34:22 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-1@lehigh.edu
Subject: [34792] NC20 low VFO & TX output
Message-ID: <19990304.123652.-244033.2.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I inadvertently sent to the list at large a message that I intended for the NC20 development team. Sorry about that, but that info leads me to this message that might be of help to those NC20 builders that have low VFO output, and corresponding low transmitter output or weak receiver sensitivity. That was the reason to look at these issues in the first place.

There are still some NC20 builders out there that are experiencing low TX output. Before doing any parts replacement, be sure the correct components have been installed where they are supposed to go, and that every effort has been made to insure the TX bandpass filter is properly tuned up, and there is no problem with the PA stage or supply voltage. Doing RF voltage measurements of the VFO's output should indicate if it is the problem.

Sometimes a good J310 at Q2 may not solve low VFO output. In this case, the likely culprit may be Q3. Q4 seems to almost always be OK if it is not open or shorted.

My idea in the other posting was to prevent having to remove the 4 lead 2N5179 at Q3 if its gain was a bit low, thereby causing low VFO output. This would be a difficult unsoldering job, or would at the very least mean sacrificing the transistor by cutting off its leads so it could be more easily removed. Alas, that turns out to not be a likely solution if changing the J310 doesn't help. Good oscillator output can be checked by looking at for RF voltage across L1 to be in the 20v pk-pk range.

If your VFO output measures too low, the best thing to do first is look for an incorrect value part installed somewhere on Sheet 1 of the schematic.

If that checks out OK, and the DC voltages are close to that shown in the manual, then the next step would be to change the J310 JFET at Q3. MPF102 JFETs and even J309 JFETs do not perform as well as the J310 device in this oscillator.

If that still doesn't get the RF output voltage at Q3's collector up to near 2.0 - 2.5 volts pk-pk, then the 2N5179 at Q4 may need to be replaced. Check everything around this device very carefully before proceeding to remove it, in case you missed something the first time around. I have removed 5 or 6 2N5179's in my prototype NC20, but it is rather difficult to do and not damage the PCB. (I haven't done any damage so far).

So it is probably best to clip the leads off of it, since you are likely going to replace it with another one anyway. Then take the leads out one-by-one. Save the PCB and your sanity.

My tests show that the configuration of the shunt-feedback amp consisting of Q3 & Q4 is pretty close to optimum. So little if any improvement can be had by adjust the values of the resistors in the feedback network. Far more variation was observed in the RF level at Q3's collector by merely trying different 2N5179s. I had hoped to avoid that by just adjusting the gain of the VFO buffer-amp, but it did not seem to be in the cards.

Note that Q4 further amplifies the VFO signal and passes it along to the AFA and RX-MIX. This output is separate and higher in amplitude than the signal at Q3's collector that goes to the NE602. It is also clipped in amplitude by the diodes in the TFM-2 mixer, so the only way to get a real measurement of the true voltage at Q4's emitter is to remove R18. The AFA has a higher input load impedance, so C97 or R86 may be left alone to do the measurement for all practical purposes.

Note that it is possible to have fair-to-good RX performance and poor TX performance. They each have their own separate sources of VFO signal because of the way the VFO signal is taken from either Q3's collector (TX-MIX signal) or Q4's emitter (RX-MIX and AFA signal).

If you do get more output from the VFO at Q4's emitter by changing Q3, you will hardly be able to detect any rise in voltage because of the clamping action of the TFM-2. Make your measurements instead at the collector of Q3 where increases can be seen. The PN2222a at Q4 in all of my tests did not seem to be a direct cause of low VFO output for the RX or AFA, but anything is possible. Q3 is more likely to be at fault, because of the low signal it receives from the oscillator through C8 and R12. Much more signal reaches Q4's base after Q3 amplifies the small oscillator output.

After spending hours and hours in this section of the rig, I have noticed the J310's to be somewhat more likely to be the cause of low VFO output, followed closely behind by 2N5179s that were poor in performance. Sometimes a slightly larger cap at C14 can make up for small deficiencies in VFO and TX output, but if a 12 to 15 pf cap doesn't do it, then you need to address the VFO circuit itself.

Don't go crazy trying to get more and more output by increasing the VFO's signal into the TX-MIX, or by using a much larger cap for C14 than 8-15 pf (10pf is ideal from earlier tests). If you do, you may cause excessive spurious output from the NE602 that is hard to filter out in the TX BPF. This will cause TX instability and difficulty adjusting the BPF trimmers.

I've spent a great deal of time in this part of the rig looking for problems and ways to correct and prevent component tolerances from causing trouble. Unless there is severely low or high VFO injection into the NE602, the rig is very stable and clean, as the spectrum analyzer plots done by Dave Fifield confirmed. Both my prototype and final kit will achieve 6-7 watts output at full drive with a 13.8v supply, and 5 watts is available with VR6 at about the half-way setting. Don't panic if your rig's output isn't this high. My rigs have been tested and optimized a bunch over the development period.

Further improvements in TX efficiency can be realized by aligning the TX low-pass (LPF) as outlined in an earlier post.

This info is intended to help you understand the possible causes of low VFO and TX output, and some tried-and-tested ways to resolve it. I hope it will help.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 04 Mar 1999 19:52:47 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-l@lehigh.edu
Subject: [34793] Re: CW Contacts
Message-ID: <E10Ie9Z-0005WX-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

On the topic of 1st CW QSOs, mine was on 144MHz, using my old VHF callsign of G6VMQ on the 1st of April 1985 with a friend of mine called Bob, G4YUI. And I was using QRP from an FT290R at the time as well. :o)

That was the first day that UK Class B licencees could use CW on air, and I had to obtain a Notice of Variation to be able to use CW. As did all those taking part in the year long experiment.

Why so momentous? Well, it was the first time that the 'no code' UK Class B licencees had been able to send CW using their own callsign on any band!

In all I managed 66 CW contacts up until October that year, when I received my present callsign, which I had waited for since passing the Morse test in June that year. The wait was because I asked to have my initials, and callsigns are issued in alphabetical order here. So I waited from the G0C** series for mine to come up.

Anyone else on the list make their first CW contact using QRP on the VHF or UHF bands, I wonder?

Cheers de Dave (G0DJA)

Date: Thu, 4 Mar 1999 15:03:05 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@lehigh.edu
Subject: [34794] Fw: Re: Fw: Re: Mobile home "INVISIBLE" antenna?
Message-ID: <54185.owen@piper.eeel.nist.gov>

I told Jeff he was being talked about on qrp-1 and enclosed is a message I just received from him. Seems he is still looking an "unusual" antenna materials. I can't wait until FD to see what he cooks up for the club.
72 Jim K4CGY

From: Jeffrey Horlick <jeffrey.horlick@nist.gov>
Thu, 04 Mar 1999 12:50:59 -0500
To: owen@piper.eeel.nist.gov
Cc: horlick@us.net
Subject: Re: Fw: Re: Mobile home "INVISIBLE" antenna?

Greetings Jim,

Thanks for the forwarded message!

The article "The Dodge Dipole, Not just another ordinary \$22,000 antenna" was published in QST in the April issue a few years ago. I will have to check on the year when I get home.

The watermelon dipole works well - Roy Morgan has offered to take good photos next melon season.

The mobile dipole has been replicated using Harley Davidson motorcycles and I have a promise that one day a Ham that I meet at IEEE meetings will use a pair of California Zephyr railroad cars (which he owns) to make an extended double zep(hyr).

I still have not organized the Yagi-Uda-Honda. I have one Honda and will

need five more to make the 3-element array.

I would like to know about successful implementations of the concept 8-) .

73

Jeff KZ3F

Date: Thu, 4 Mar 1999 15:08:23 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@lehigh.edu
Subject: [34795] Mobile home "INVISIBLE" antenna?
Message-ID: <54504.owen@piper.eeel.nist.gov>

Below is the issue that Jeff's Dodge antenna was in. Now I'll let the tread rest. 73 Jim K4CGY

From: Jeffrey Horlick <jeffrey.horlick@nist.gov>
Thu, 04 Mar 1999 13:43:28 -0500
To: owen@piper.eeel.nist.gov
Subject: Re: Fw: Re: Mobile home "INVISIBLE" antenna?

April 1995 QST.

Jeff

Date: Thu, 4 Mar 1999 15:10:41 EST
From: Daj73s@aol.com
To: QRP-L@lehigh.edu
Subject: [34796] You want to talk about MILLIWATTING!!!!
Message-ID: <e63a84b0.36dee8c1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Guys....

I have been reading with interest about my fellow QRPpers.... who are working various mobilers and dxers and general contacts with 40 to 90 Milliwatts!! As of this writing, I have worked the following in one week with my yaseu FT-840 in line with my welz QRP (RP-120) wattmeter to my MFJ-971 ant. tuner and my rusty old 40 meter dipole with 300 ohm feedline... R.I., NY, NH, CT, MD, OH, MI, MN, and ILL., Oh..... by the way this was all accomplished with 20 MILLIWATTS!!!!!! per contact!!!!!!!
73's/72's

Dave Jarmuz
AA2PF/QRPp
QRP-L#306

Date: Thu, 04 Mar 1999 13:18:32 -0700
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [34797] Re: Mobile home "INVISIBLE" antenna?
Message-ID: <36DEEA98.9D0AD13B@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

James C. Owen, III wrote:

> I still have not organized the Yagi-Uda-Honda. I have one Honda and will
> need five more to make the 3-element array.

Your plan won't work - you need to use beamers (BMW's) for this !!!!!

72 - john - n0hj

-- John A. Evans, N0HJ -- jaevans@codenet.net

Date: Thu, 4 Mar 1999 13:21:21 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: we6w@qsl.net, QRP-L@LEHIGH.EDU
Subject: [34798] Re: Mobile home "INVISIBLE" antenna?
Message-ID: <199903042021.NAA12035@rgfn.epcc.edu>

Hi Ed. From experience of living in a mobile home with metal siding and roof for the past 30 years, you will be able to get out but it will be disappointing. Better than an antenna inside the mobile home, tho. As they are pretty good Faraday Shields. I remember when I used to live in So. Cal with the antenna no-no. A low profile mobile whip made from a MasterMobile system worked out ok. I did try the dipole, Windom, and endfed wire; all mounted at the edge of the roof, on plastic tv standoff insulators. The low to ground whip was much better. One antenna you might look at, even tho it is basically a single band type, vertically polarized is the DDDR as shown in past antenna handbooks and was written up in

early 70's CQ and 73 Magazine by Cliff Hicks W4MIP. There was even one article showing one on the roof of a mobile home, where the owner got to operate by saying it was a solar detector or some such. However, they will operate quite nicely from ground level, providing they are mounted over a screen groundplane. For multiband, they can be stacked inside each other and band changing accomplished by using an electrically operated antenna switch. Or separate runs of cable. I haven't tried one with 450 line to see if it will work that way. Another suggestion is to feed the metal siding directly with the coax (someone already did and it works) or feed the awning or carport support posts (probably at least 10 ft high) and see how that will do - like a top loaded vertical! These are suggestions if the perimeter leaf detector fails to give results. GL
73 Ray

--

Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Thu, 4 Mar 1999 15:39:18 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "CW Reflector" <cw@qth.net>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [34799] Springs-paddle
Message-ID: <007501be667f\$13a19970\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi folks... in a recent discussion about paddles and keys, someone was thinking about paddles, and mentioned that he preferred springs to magnets. I just got in GHD's least expensive (@\$170) paddle, to possibly use for portable use/etc. He makes both a single lever and a dual lever mechanical contacts paddle (and probably the same using opto-interrupters) and this one (the GN-405) uses springs. I imagine the others will too. I have been looking at GHD ever since I bought my first, an opto-interrupted bug, followed by the mech contact version-to make a comparison between the two. I haven't had time to do that yet. The quality of these keys is superb. So, if you don't like magnets, take a look.

GHD's URL is: <http://www2s.biglobe.ne.jp/~ghdkey/flame.htm>

And they can be had from Marshall Emm: <http://www.morsex.com/>

72 / 73 Ed N4XY

Ed Tanton N4XY EMAIL: n4xy@mindspring.com
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
*BoatAnchors *Test Equipment *Photography

"Think you can, think you can't:
either way you're right!" Henry Ford

Date: Thu, 4 Mar 1999 12:39:28 -0800
From: "Radman" <radman@best.com>
To: <owen@piper.eeel.nist.gov>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Cc: <jeffrey.horlick@nist.gov>
Subject: [34800] Re: Mobile home "INVISIBLE" antenna? (hams ?)
Message-ID: <199903042037.MAA29906@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim, Jeff et al,

Great post on alternative antenna materials ! One obvious
question nags at me.... has anyone utilized a pair of
picnic hams in lieu of common dipole materials, eg: \$22K
Dodge automobiles? Seems like it would be a natural
publicity stunt for our hobby. Perhaps David Letterman,
who often gives away canned hams on his TV show, would air
the event -- provided it involved a trained dog or cat on
the Vibroplex ;) He typically devotes a short segment to
this sort of humor :-)

Party on,

Conrad -- NN6CW

Date: Thu, 04 Mar 1999 15:47:17 -0500
From: Russ Hines <radioruss@fuse.net>
To: colcal@srv.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34801] Re: Electronic book
Message-ID: <36DEF155.CDEB64A7@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The obvious one is the ARRL publication "Solid State Design For The Radio Amateur" by the late Doug DeMaw and the still-with-us Wes Hayward. I think you could regard it as the "QRP'er's Bible."

Another book I found useful is the "Handbook Of Simplified Solid-State Circuit Design" by John Lenk, published by Prentiss-Hall.

Sorry, I have them both and cannot think of parting with either.

73,
WB8ZCC

Francis Callahan wrote:

>
> Can anyone tell me of a reasonably priced book on basic solid state
> electronics or have one they would like to sell. Thanks Cal KF7ET please
> reply direct to colcal@srv.net

Date: Thu, 4 Mar 1999 20:55:33 -0000
From: "Andy" <andy@gm0nwi.freemove.co.uk>
To: <Qrp-1@lehigh.edu>
Subject: [34802] " Still Searchin`....."
Message-ID: <002f01be6681\$59e5cf80\$df34883e@andy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Guys.....

As you'll most probably know, i've been posting some info for help on the list recently,

for replacements parts to "ressurrect" my dead HW8 I have been havin' a fantastic response, as usual the guys on this list are really great when it comes to helpin' out.

I'm now ready to start ressurectin' the HW8 and have come across another little problem, the PCB is in a worst state than I originally anticipated. It has many burnt indentations from someone over the years who is still using a welding rod for soldering purposes !!

And also there are various cracks on the board which I think is the main problem for it's not working, rendering it useless no doubt. I have put out a couple of feelers, but again due to my physical position, I fear that this is going to be very limited.

Dare I ask ?? But is there ANYONE out there with a spare board in good/clean...ish condition that they are now finding surplus to requirements, I would be willing to pay for any shipment/cost etc incurred by the said person for their generosity.

Or secondly is there anyone out there who knows of a company who will for a nominal fee fabricate me another board for the rig ?? I have thought today of scanning the desoldered boards component side for the silk screening purposes and trying to fabricate my own after firstly etching the track side, this may be in the end the only solution, but alas I felt that another go on the list might render me some hope.

Lastly does anyone know the name/callsign of the guy (american ham) who posted at the beginning of the year a little something about his experiences in changing the cores in an HW8, think his name was Mike something WB8 maybe, but not sure, he seemed to have great knowledge that the cores on an HW8 are notorious for being changed over the years thus rendering again the rig to not putting the correct amount of output power on the bands.

I would love to get in contact with him and try to ask his advice. The board issue is the main thing now though..

LET ME LASTLY SAY A HUGE THANKYOU FROM MY HEART to all the guys who have previously answered/
helped me in my "pleas" on the list, you have brought a huge amount of happiness to me, I am in absolutely
no doubt that I could'nt have done it without the help from you guys

Thanks and happy Qrping

72 de Andy GM0NWI Long Live QRP !!
andy@gm0nwi.freemove.co.uk

Date: Thu, 4 Mar 1999 17:08:32 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [34803] Anatomy of a thread...
Message-ID: <Pine.LNX.3.93.990304163258.937C-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, Jeffrey Horlick <jeffrey.horlick@nist.gov> wrote:

> I still have not organized the Yagi-Uda-Honda. I have one Honda and will
> need five more to make the 3-element array.

Funny how these things start and take off with a life of their own. WE6W posts about the antenna at the new QTH, N3XRV comments and tosses in an "oh, buy the way" about watermelons, K4CGY verifies the claim, and then finds KZ3F who actually did the watermelon experiments. No "urban legends" here:) And all the sudden were back to talking about relatively "normal" antennas. Ok, so the six Hondas part is a little weird, but so are a lot of other antenna construction methods. Next thing you know WA5CVM will be pulling school busses into trees up there in Maine...

See how dull it could get if everything here was strictly, by the book, QRP related. It all ties in somehow...

So, LB? Cecil? Who's going to model this thing first first? And if MFJ starts selling it with Hondas, will Cushcraft come out with the Acura version?

Gang, pardon the silliness, I've been at work since yesterday and need sleep, dinner, a shave, sleep...

```
-- Chris Cartwright,   Technical Engineer   |       ccart@vidtel.com       --
-- N3XRV      ARRL-VE   Norcal Zombie #163   |   Gaithersburg, MD FM19je   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

```
-----

Date: Thu, 4 Mar 1999 15:14:00 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [34804] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.990304150604.12882A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
```

...N1FN.....hunt #36....

```
*****
The 40 mtr Fox Hunt Team Scores
*****
```

...the Houston Hounds- 27.650 - hounds->K5ZTY,W5SB,KQ5U,KK5LD"CLEAN SWEEP!"

...the Texas Tarantulas-23.250-hounds-> K5LN,N5TW,W5HNS

...the Underdogs - 22.907 - hounds -> N4R0A,AB7CE,KI0II"CLEAN SWEEP!"

...the Vibro-Fox Finders - 22.400 - hounds -> WE6W,KU7Y,K2VCO,WS8D

...the Fox Nabbers - 19.727 - hounds -> K0EVZ,W5FN

...the Brass Pounders - 18.416 - hounds -> AB8DF,AK7Y

...the Northern Lights - 15.996 - hounds -> VE7CQK,VE6EWM,VE5RC,VE2KN

...the Kentucky Porch Houndz - 9.500 - zzzzzzzzzzzzzzz.

...the Swords - 8.658 - empty jaws.

...the Team Apathy - 8.326 - hound -> K7TQ

...the Jersey Diddles - 3.323 - hound -> N2T0

Date: Thu, 04 Mar 1999 13:09:44 -0800

From: Jim <w7ls@blarg.net>
To: Mike Yetsko <myetsko@insydesw.com>, qrp-1@lehigh.edu
Subject: [34805] Re: something to read rcvr freq
Message-ID: <36DEF698.EAA5DFE5@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi. Ok. the only two options for cw readout I know of are the Freq Mite from Small Wonder Labs and the KC-1 from Wilderness Radio. The Freq Mite is about \$20 and the KC-1 is \$50 or so. I have both. Both work well. The KC-1 also includes a memory keyer. Both are on the web somewhere (can't remember the url).

73 de Jim, W7LS

Mike Yetsko wrote:

> All I had was the message, and I didn't keep a copy of the original
> so I don't know...
>
> Just post it 'generic' to the mail list. Maybe someone else
> is also interested.
>
> Mike Yetsko
> N1DVJ
>
> -----Original Message-----
> From: Jim <w7ls@blarg.net>
> To: Mike Yetsko <miklah@earthlink.net>
> Date: Wednesday, March 03, 1999 9:00 PM
> Subject: Re: something to read rcvr freq
>
> >Scott who? I don't have any address for him. Can you forward it,
> please?
> >
> >Jim W7LS
> >
> >Mike Yetsko wrote:
> >
> >> Send the reply to Scott!!! He's the one who made the original
> request. I'm
> >> at home, and I don't have it.
> >>
> >> Mike

> >> N1DVJ
> >>
> >> -----Original Message-----
> >> From: Jim <w7ls@blarg.net>
> >> To: myetsko@insydesw.com <myetsko@insydesw.com>
> >> Date: Wednesday, March 03, 1999 8:35 PM
> >> Subject: Re: something to read rcvr freq
> >>
> >> >Hi. Yes, there is exactly what you want available at Small Wonder
> Labs.
> >> >It's called a Freq Mite. \$20 and it's about an inch square. Spits
> out
> >> >frequency in cw when you poke a button. I have one. Works very well.
> Check
> >> >out Small Wonder Labs on the web. Don't know the url (sorry). 73 de
> Jim,
> >> >W7LS
> >> >
> >> >Mike Yetsko wrote:
> >> >
> >> >> >is there a device that will read the freq an rcvr is on via cw? I
> have
> >> >> a
> >> >> >Kenwood R1000 and would like to know where I am on the dial. I
> thought
> >> >> >there was such an animal, but can't recall the info.
> >> >> >Any ideas?
> >> >> >
> >> >> >tnx es 72/73 de Scott/n3byy
> >> >> >Fists #5030
> >> >>
> >> >> I haven't seen this exactly, but I've seen a small adapter that
> plugged
> >> >> into
> >> >> the 'control' port of a radio that had voice output. (And some
> radios
> >> >> used
> >> >> to offer that as a option. My old Icom had that listed in the
> manual.)
> >> >>
> >> >> I suppose it wouldn't be too hard to do with a PC. Or with a
> small
> >> >> microcontroller.
> >> >>
> >> >> I suppose if anyone developed and/or marketed this as an aid to
> blind
> >> >> hams, it would be worthwhile to put a CW option in it.
> >> >>

> >> >> Mike Yetsko
> >> >> N1DVJ
> >> >
> >> >
> >
> >

Date: Thu, 4 Mar 1999 15:27:35 -0600 (CST)
From: PHILLIPS RICHARD <phillips@msoe.edu>
To: John Evans - N0HJ <jaevans@codenet.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [34806] Re: [Fwd: HF Radio in the Third Millennium -- Don't read if you
get upset easily!]
Message-ID: <Pine.OSF.3.96.990304152512.4614C-100000@torres.msoe.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Gee Folks,
>
> Do I detect a technical challenge?!!!!!!
>

Nah, as soon as we interfere with those un-shielded twisted pair networks,
they will use coax. We might have to go qro for a while though, unless
the cb'ers take care of it for us.

Richard Phillips
Lab Technician
Milwaukee School of Engineering
414-277-7388, phillips@msoe.edu

Date: Thu, 04 Mar 1999 16:27:28 -0500
From: Todd Nichols <nichols@rtp.ericsson.se>
To: qrp-1@lehigh.edu
Subject: [34807] Re: PCB Design Software
Message-ID: <36DEFAC0.7FAE4D65@rtp.ericsson.se>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> I've tried EASYTRAX and it is no way near as simple and >intuitively
>obvious as this program. Also, I'd rather not have a crippled version >of
>commercial software, don't know when I'd need to go over 100 -200
>landings or 3"X3" board surface.

Bill, the approach which Ivex takes for WinDraft and WinBoard
(<http://www.ivex.com>) is that the "demo" version of the software
IS the software. If you want more than the 100 pins in the "demo"
version, then you call them up, give them a credit card number, and
get a password over the phone. Then you go back to your PC, type
in the password, and voila - your software now has increased pin
capacity. No need to reinstall or anything. This works pretty
well.

Todd

--

Todd Nichols KB0HQJ Ericsson Inc. (919) 472-7590
nichols@rtp.ericsson.se Research Triangle Park, NC

Date: Thu, 4 Mar 1999 15:42:34 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [34808] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.990304153453.16108A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...VE7CQK.....hunt #37....

The 40 mtr Fox Hunt Team Scores

...the Houston Hounds- 28.650 -hounds->K5ZTY,W5SB,KQ5U,KK5LD"CLEAN SWEEP!"

...the Texas Tarantulas - 24.000 - hounds -> AB5WX,N5TW,W5HNS

...the Underdogs - 23.907 - hounds -> N4R0A,AB7CE,KI0II"CLEAN SWEEP!"

...the Vibro-Fox Finders - 23.000 - hounds -> KU7Y,K2VCO,WS8D

...the Fox Nabbers - 20.060 - hound -> K0EVZ

...the Brass Pounders - 19.166 - hounds -> AB8DF,N1FN,AK7Y

...the Northern Lights - 16.596 - hounds -> VE6EWM,VE5RC,VE2KN

...the Kentucky Porch Houndz - 9.500 - zzzzzzzzzzzzzzz.

...the Team Apathy - 8.992 - hounds -> K7TQ,AB7TT

...the Swords - 8.658 - not on target.

...the Jersey Diddles - 3.323 - hungry hounds.

Date: Thu, 4 Mar 1999 16:41:03 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [34809] NEW CALL SIGN
Message-ID: <19990304.164104.-303135.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Highest gang

Chris sent me an e-mail letting me kneaux that I am now KE1LA

THAT'S K-ilo E-cho 1 L-uzzie A-nna :-)
how's that for
luck of the draw!!!! good lord taking care of this cajun lad.... yes
sir.... don't u never think that Cajun Mamas don't have any pull.....
my cajun mama is so happy she cooking crawfish et to fay tonite.....
with fried frog legs on the side..... oh mama....

Joel KE1LA, in maine, still suffering frum the cold.... :-=)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 04 Mar 1999 13:40:28 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [34810] Re: TT Scout/555 Reviews?
Message-ID: <19990304214032.806.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

Paul and others--

I've used my Scout as a mobile rig very successfully, and also as a back-up rig for general use. It's now in my study attached to a separate 40-m half-wave dipole so I can monitor stuff when the computer gives me long pauses while it's doing its kerchunking.

The Scout is an excellent SSB rig, and I've heard it does fine on AFSK for digital work as well. As a CW rig, it's fine for ragchewing and stuff, but the Jones filter is basically an adjustable low-pass filter, so you can take away higher audio frequencies down to its lowest limit, but that limit is below the offset, so it is quite awkward to use in high-QRM situations. The built-in keyer defaults to 25 WPM each time you power up. If that's your normal speed, no problem, but I find that I'm adjusting it frequently. The automatic frequency adjustment of the rig took a day or two to get used to, but it's a clever innovation, and really great for mobile operation, keeping the rig rock-solid in rough road conditions. I have all the band modules for 160 thru 10, and I keep the spares in a Rubbermaid 1.8-quart, 1.7-L rugged plastic container, just the right size for the eight modules not in use.

The power adjustment is awkward to get to, so I just set it for about 3 watts and forget it.

The Scout very ruggedly built, and I'd recommend it highly as a mobile rig. I used it mobile all over Turkey and could work almost anybody I could hear with 50 watts and an Outbacker antenna. If you add up the cost of the rig and all the modules, you might find it a bit pricey. If you don't want to operate more than 10 watts, the Elecraft K2 with SSB is less expensive (as a kit, of course), and several steps ahead of the Scout in technology.

I'm torn at the moment about whether or not to sell my Scout since I'm on the waiting list for a K2. The Scout is so simple to operate and so reliable that I'm reluctant to sell it. I hope this is helpful. 72, Bruce Prior Blaine, WA n7rr@hotmail.com

>
>I am strongly considering one of these and would appreciate comments on it
>as both a cw and ssb rig, QRP and QRO.
>
>tnx de N1ZR, Paul
>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 4 Mar 1999 17:29:36 -0500
From: "John J. McDonough" <jjmcd@tm.net>

To: <kj5tf@madisoncounty.net>, "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>

Subject: [34811] Re: N0TU post & QSL card maker help needed

Message-ID: <007a01be668e\$80d84980\$010044c0@mdp23b>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Jim Hale <kj5tf@madisoncounty.net>

>I downloaded the WB8RCR QSL maker software. I want to add background to my
>card from jpg's or gif's. I clicked for info, tried to read it, but it
didn't

>get thru the cement. hi

>Can someone walk me thru the process? (Big dummy style)

> Jim KJ5TF/QRPP

>

Jim (and others)

Let's see if we can do it step by step

1 - pick a picture

2 - Using your favorite graphics program, crop the picture so that it's
about the same shape as a QSL card (i.e. 11 parts wide to 7 parts high). If
you have a really big source image, reduce it to 550 pixels wide by 350
high, or 1650 by 1050 (for most printers).

3 - Save the cropped picture as a Windows bitmap file (.bmp).

4 - Move or copy the file to your QSLMaker directory

5 - in QSLMaker, pick Card off the Set menu

6 - Type the name of the bitmap into the box provided

7 - Click OK

As someone else mentioned, some bitmaps with some graphics boards will
display as black but print OK. Saving the image with a different number of
colors per pixel will often fix this. Generally, you will have better
printing results with a TrueColor image.

If you skip step 2, the image on your card may be distorted but should still
show up.

If you skip step 4, you will need to type the full pathname into the box.
e.g. C:\PaintShop\MyPic.bmp

Hope this helps

72/73 de WB8RCR <http://users.tm.net/jjmcd/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Thu, 4 Mar 1999 17:36:15 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: <w5tb@SoftHome.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [34812] Re: QSL MAKER - 4 cards per sheet???
Message-ID: <008901be668f\$6e5b8280\$010044c0@mdp23b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: W5TB <w5tb@SoftHome.net>

>Has anyone found the correct settings to print 4 cards per 8.5x11 sheet?

This depends on your printer. With most printers, you cannot print a full 11" so you can't get 4 cards on a letter size page unless you leave some blank area on the edges of the card.

On many HP printers, there is no top border and a huge bottom border, so this is still pretty hard. HP has a utility that you can download which adjusts the border! (Until very recently I had thought it was a physical limitation of the printer). With tolerable top and bottom borders it is quite possible to work around, but with the default 0.78" bottom border, there's no chance.

You can, however, get 4 cards on legal or A4 paper with most printers.

The picture of the print preview on the web page was on A4 paper.

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